APIS, III

INSCRIPTIONS,
COINS AND ADDENDA

ÉTUDES PRÉLIMINAIRES AUX RELIGIONS ORIENTALES DANS L'EMPIRE ROMAIN

PUBLIÉES PAR

M. J. VERMASEREN

TOME QUARANTE-HUITIÈME

APIS, III

G. J. F. KATER-SIBBES AND M. J. VERMASEREN

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LEIDEN
E. J. BRILL
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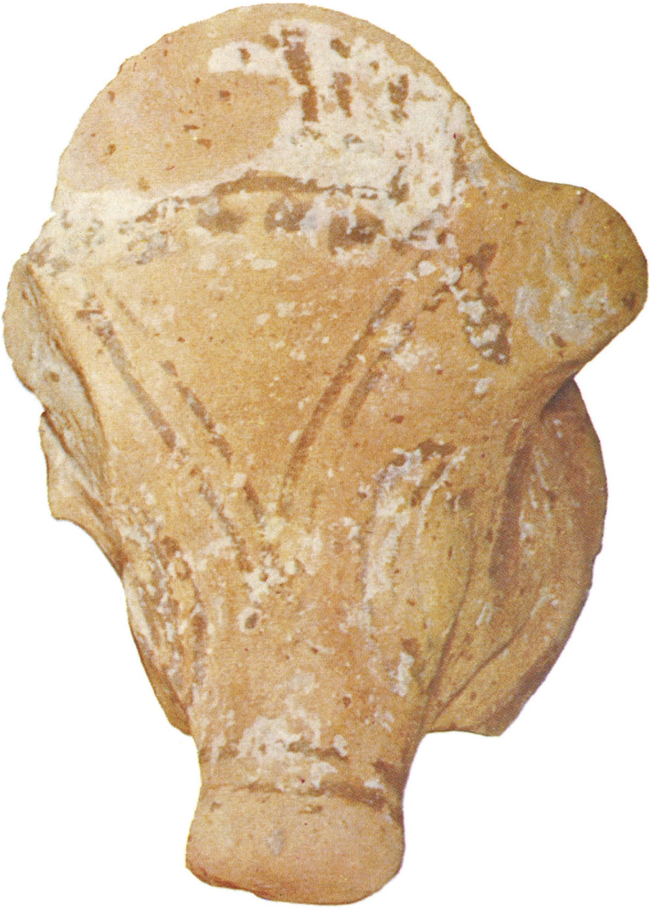

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G. J. F. KATER-SIBBES AND M. J. VERMASEREN

INSCRIPTIONS, COINS AND ADDENDA

WITH A FRONTISPIECE, 28 PLATES AND 2 MAPS

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PREFACE

In a recent study about the coins of Hephaestus in Asia Minor, Professor Frank Brommer[1] states: 'Weder belegt jede Göttermünze einen Kult, noch ist jeder Kult durch eine Göttermünze belegt'. Though in general this statement may be true, we thought it nevertheless not superfluous to catalogue the city coins on which the Apis bull is depicted. The Apis bull is such a characteristic animal that the coins bearing his representation, issued in the various cities, are either a certain testimony of his worship or a reverence to a specific emperor like Hadrian or Julian. In some cases the Apis bull may likewise stress the narrow relations between the city and Egypt.

In this volume we reproduce the addenda to the volumes I and II, some questionable objects and the scarce inscriptions. In a subsequent volume the classical texts will be treated. For the English version of the text we are once again indebted to Mr J. E. W. Ansingh of Amsterdam; the archaeological Institutes of Amsterdam and Utrecht rendered their indispensable help, as they did already when the preceding volumes were prepared.

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[1] Fr. Brommer, *Die kleinasiatischen Münzen mit Hephaistos* in *Chiron* 2, 1972, 536.

BIBLIOGRAPHY AND ABBREVIATIONS

Askew, *Cat.*	Askew, G. *A Catalogue of Roman coins,* B. A. Seaby Ltd London 1948.
Auction Atzler	Münzen und Medaillen A.G., Basel.
Babelon	see *Recueil.*
Babelon, *Inv. somm.*	Babelon, E. *Inventaire sommaire de la Collection Waddington,* Paris 1898.
Barb	Barb, A. *Der Münzfund von Jabing (374 n. Chr.)* in *NumZ* 29, 1936, 61-68.
Beaujeu	Beaujeu, J. *La religion romaine à l'apogée de l'Empire,* Paris 1955.
Blum	Blum, G. *Numismatique d'Antinoos* in *Journal international d'archéologie numismatique* 16, 1914, 33-70.
BMCIonia	Head, B. *Catalogue of Greek coins, Ionia,* London 1892.
BMCPontus	Wroth, W. *Catalogue of Greek coins, Pontus, Paphlagonia, Bithynia, and the Kingdom of Bosporus,* London 1889.
Broek	Broek, R. van den, *The myth of the Phoenix according to classical and early Christian traditions,* (ÉPRO 24), Leiden 1972.
Carson-Hill-Kent	Carson, R. A. G. – P. V. Hill – J. P. C. Kent, *Late Roman Bronze Coinage* I-II, London 1965.
Cat. Leiden	*Klassieke Kunst uit particulier bezit,* (Tentoonstellingscatalogus 10), Leiden 1975.
Cohen	Cohen, H. *Description historique des monnaies frappées sous l'Empire romain* I-VII, Paris 1859-1868; Id., Leipzig 1930.
Coll. Hoffmann	*Collection H. Hoffmann, médailles grecques et romaines,* Vente Drouot 2-11 Mai, Paris 1898.
Cologne, *Cat.*	Geissen, A. *Katalog alexandrinischer Kaisermünzen der Sammlung des Instituts für Alter-*

	tumskunde der Universität zu Köln I, Opladen 1974.
Dattari	Dattari, G. *Numi Augustorum alexandrini*, Cairo 1901.
Dietrichson, *Antinous*	Dietrichson, L. *Antinous*, Christiana-Oslo 1884.
Drexler	Drexler, W. *Der Isis- und Sarapiscultus in Kleinasien* in *NumZ* 21, 1889, 1-234.
Dunand	Françoise Dunand, *Le culte d'Isis dans le bassin oriental de la Méditerranée* I-III, (ÉPRO 26), Leiden 1973.
Elmer	Elmer, G. *Die Kupfergeldreform unter Julianus Philosophus* in *NumZ* (N.F.) 30, 1937, 25-42.
Feuardent	Feuardent, F. *Collection Giovanni di Demetrio. Numismatique. Égypte ancienne* I (2), Paris 1863.
Franke, *Kleinasien, Münzen*	Franke, P. R. *Kleinasien zur Römerzeit. Griechisches Leben im Spiegel der Münzen*, München 1968.
Friedländer-Von Sallet	Friedländer, J. – A. von Sallet, *Das kön. Münzkabinet*, Berlin 1877.
Fritze	Fritze, H. von, *Die antiken Münzen Mysiens*, Abt. I, Berlin 1913.
Gilliard	Gilliard, F. D. *Notes on the coinage of Julian the Apostate* in *JRS* 54, 1964, 136-141.
Hornbostel	Hornbostel, W. *Sarapis*, (ÉPRO 32), Leiden 1973.
Hunt. Coll.	Macdonald, G. *Catalogue of Greek coins in the Hunterian collection* III, Glasgow 1905.
Imhoof-Blumer	Imhoof-Blumer, F. W. – O. Keller, *Tier und Pflanzenbilder auf Münzen und Gemmen des klassischen Altertums*, Leipzig 1889.
Imhoof-Blumer	Imhoof-Blumer, F. W. *Zur Münzkunde Klein-Asiens* in *Revue Suisse de Numismatique* VI-VII, 1896/1897.
Imhoof-Blumer, *Münzen*	Imhoof-Blumer, F. W. *Kleinasiatische Münzen* I-II, Wien 1901-1902.

JbAChr	Jahrbuch für Antike und Christentum.
JEA	Journal of Egyptian Archaeology.
JHS	Journal of Hellenic Studies.
JRS	Journal of Roman Studies.
Keller	see Imhoof-Blumer.
Kent	Kent, J. P. C. *Notes on some fourth-century coin types* in *NumChr* (S. 6) 14, 1954, 216f.
Mattingly, *Roman coins*	Mattingly, H. *Roman coins*, London 1928; 1960^2.
Mazard	Mazard, J. *Corpus nummorum Numidiae Mauretaniaeque*, Paris 1955.
Milne	Milne, J. G. *Catalogue of Alexandrian coins*, Oxford 1933; 1971^2.
Mionnet	Mionnet, T. E. *Description des Médailles antiques grecques et romaines* I-VII, Suppl. I-IX, Paris 1807-1837.
Müller	Müller, L. *Numismatique de l'Afrique Ancienne*, Copenhague 1862.
NumChr	Numismatic Chronicle.
NumZ	Numismatische Zeitschrift.
NumZBer	Berliner Numismatische Zeitschrift.
Recueil	Waddington, W. H. – E. Babelon – Th. Reinach, *Recueil général des monnaies grecques d'Asie Mineure* I (1-4), Paris 1904-1912.
Reinach	see *Recueil*.
RevNum	Revue numismatique.
RIN	Rivista italiana di Numismatica.
Sabatier	Sabatier, J. *Description générale des médaillons contorniates*, Paris 1860.
Sallet I	Sallet, A. von, *Beschreibung der antiken Münzen* I, Berlin 1888-1894.
Sallet	Sallet, A. von, *Münzen und Medaillen*, Berlin 1898.
Sallet	Sallet, A. von, see Friedländer.
Slg Horsky	*Sammlung des Herrn Johann Horsky, Wien; Antike Münzen*, Auction Adolph Hess Nachfolger, 30 April, Frankfurt/Main 1917.

SNG	Sylloge Nummorum Graecorum.
St. Poole, *BMC Alex*	Stuart Poole, R. *Catalogue of the coins of Alexandria and the Nomes in the British Museum,* London 1892.
Vogt	Vogt, J. *Die alexandrinischen Münzen der Kaiserzeit,* Stuttgart 1924.
Waddington	see *Recueil.*
Zoëga, *Museo Borgiano*	Zoëga, G. *Numi aegyptii imperatorii in Museo Borgiano,* Roma 1787

INSCRIPTIONS

AEGYPTUS

Environment of Alexandria

1. Fragment of a marble foot (ankle) with sandal (H. 0.175) and an inscription: Ἴσιδι / Ἀμμώνιος / Ἄπιτος / ἀνέθηκε. Alexandria, Graeco-Roman Museum, inv. no 22607.

> Adriani, *Repertorio* II, 51, no 190 and Pl. LXXXVIII, 294; Castiglione in *ZÄS* 97, 1971, 36, no 7.

Exact provenance unknown

2. Limestone plaque (H. 0.43, W. 0.30, D. 0.08) with a Greek inscription placed in irregular lines and intervals. Height of the letters: 0.015-0.02. Ancient Collection Drovetti, no 402. Paris, Louvre, inv. no Charles X 145 (402).

[Δοῦλος] / τοῦ Σαράπιος / καὶ Ἄπιος, Αἶμ[ος] / αὐτὸς καὶ τὰ ἑαυ[τοῦ]. // Ἀλέξανδρος. / Κόρραγος, δοῦλος / τοῦ Σαράπιος / καὶ τῆς Ἴσιος, / αὐτὸς καὶ τὰ αὐ[τοῦ].

> A. Dain, *Inscriptions grecques du Musée du Louvre, les textes inédits,* Paris 1933, 147f, no 170.

SYRIA

Brahlia

3. White limestone altar (H. 1.26, W. 0.85) found in Brahlia (Berhleyé, also called Kafr el'Awamid) in the Anti-Libanon. Damas, Museum, inv. no 17580.

Ἔτους απτ' Δείου Διὶ / μεγίστῳ Ἡλιοπολεὶ/τῃ Σέλευκος Ἀβγάρου / ἱερεύς θεᾶς Ῥώμης καὶ / / θεοῦ Σεβαστοῦ καίσαρος / καὶ ἱερεύς Διὸς καὶ Ἄπιδις / ἐκ τῶν ἑαυτοῦ καὶ Ἀλεξάνδρου ἀδελφοῦ ὑπαρχόντων ἀνέθηκεν.

Date: 69-70 A.D.

Y. Hajjar, *Le culte de Jupiter Héliopolitain*, (EPRO), 1977, no 194.

4. Inscription on an altar of which all sides show reliefs. The altar will be published by Mr Y. Hajjar. Damas, Museum.

Διὶ καὶ Ἄπιδι.

Date: 187-188 A.D.

Y. Hajjar, *o.c.*, s.v. no 194.

ASIA MINOR

Pergamum

5. White marble block (H. 0.12, W. 0.54, D. about 0.30) found in the lower town of Pergamum (Ionia), used as building stone. The inscription (H. of the letters 0.01) reads:

Π. Εὔφημος [κ]αὶ [Τ]υλλία Σ[π]ένδο[υ]σ[α] οἱ ἱεραφόροι καθιέρωσαν / τοὺς θεούς, οὕς ἡ θεὸς ἐκέλευσε, Σάραπιν, Εἶσιν, Ἄνουβιν, Ἁρφο/κράτην, Ὄσειριν, Ἆπιν, Ἥλιον ἐφ᾽ἵππῳ καὶ ἱκέτην παρὰ τῷ ἵππῳ, Ἄρη, Διοσ/κόρους, σινδόνα, ἐν ᾗ ἐζω(γ)ράφ(η)ται ἡ θεὸς καὶ τὰ περὶ τὴν θεὸ[ν] // πάντ(α), ἄλλας σινδόνας λαμπρὰς τρεῖς, πέταλα χρυσέα ὀγδο/ήκοντα. Ἐπεσκεύασ(αν) δὲ καὶ τὰ ἀκρόχειρα τῶν ἀγαλμάτων, σαν/δάλια, χαλκεῖα καὶ περιραντήριον πρὸ τοῦ πυλῶνος.

Date: 1st century B.C. (Rusch).
1st century A.D. (Ohlemutz and Nilsson).

IvP, no 336; Rusch, *S et I*, 70; Salac, *IS*, 59; Magie in *AJA* 57, 1953, 175, n. 124; Hermann in *JbAChr* 3, 1960, 38, n. 42; Nilsson II^2, 341, n. 5; Ohlemutz^2, 273, n. 51-53; Vidman, *SIRIS*, 161, no 313; Salditt-Trappmann, 22f; Dunand III, 58; 93, n. 4.

Priene

6. Quadrangular block in marble (H. 0.66, W. 0.26, D. 0.32), with a large Greek inscription. Found near the hall of the sanctuary of Isis.

[. . . τῶι Σαράπιδι καὶ / τῆι Ἴσιδι κ]α̣ὶ τοῖς θε[οῖς τοῖς σὺν αὐτοῖς μηνὸς Ἀπατου/ριῶνος ε]ἰκάδι συντ̣[ελ. . ./. . . . . ὁ νεω]πόης εἰς τὴν ϑ̣[υσίαν . . .//. . . . δίδ]οσθαι εἰς . . . . τὸ ἱ[ερὸν . . .]/ . . . . Ε̣Ι̣Α̣. . . ῶι δραχμὰς τέσ̣σ̣ερας [. . ./. . . . . . . κ]αὶ εἰς θυσίαν τῶι Σαρά[πιδι καὶ τῆι Ἴσιδι καθ’ἕ/κ]αστον ἐ[νι]α̣υτὸμ μηνὸς Ἀπατουριῶ[νος εἰκάδι . . . δρα/χμ]ὰς δύο· θύσει δὲ ὁ ἱερεὺς τῶι Σαρά[πιδι . . .//κ]αὶ τῆι Ἴσιδι τῶν νομιζομένων νοσ[σῶ̣ν δύο καὶ θήσει ἐπὶ / τ]ραπέζ[η]ς· συντελ[έσ]ε̣ι δὲ καὶ τὰς ἄλλ[ας θυσίας τῶι τε]/ Σαράπιδι καὶ τῆι Ἴσιδι καὶ τοῖς θεοῖς τ[οῖς σὺν αὐτοῖς] / καὶ τὴν λαμπαδείαν τῆι θεᾶι καθότ[ι εἴθισται· παραστήσει] / δὲ ὁ ἱερεὺς καὶ τῆι λαμπαδείαι τὸ ν[ομιζόμενον ἔλαιον] // ὡς [λ]α̣μ[π]άδας ταλαντιαίας δύο· θύ[σει δὲ ὁ ἱερεὺς] / καὶ τῶι [Ἅ]πιδι ἐν τοῖς χρόνοις τοῖς νο[μίμοις . . .] / ΣΕΙΜΩ. .ΔΙ [κ]α̣θότι νομίζεται ὁ κ[α]θιστ[άμενος νόμος·] / θήσει [δὲ] ὁ νεωπόης ἀπὸ τοῦ ἐξαιρουμ̣[ένου μέρους κρι]/θων τε[τ]αρτῆ, πυρῶν [τε]ταρτ(έ)ας δ̣ύο Υ. . .// ΛΗΝ χαλκῶν ἑπτ’ὀβολούς· παρε[χ]έ[τω δὲ ὁ ἱερεὺς καὶ] / τὸν Αἰγύπτιον τὸν συντελέσοντα τὴ[ν θυσίαν ἐμπείρως·] / μὴ ἐξέστω δὲ μηθενὶ ἄλλωι ἀπείρως τὴ[ν θυσίαν ποεῖν τῆι] / θεᾶι ἢ ὑπὸ τοῦ ἱερέως· εἰ δέ τις ἄλλος ἀπ̣[είρως ποῆι, ζημιούσ/θ]ω δραχμὰς χιλίας καὶ ἔστω φάσις αὐ[τοῦ πρὸς τοὺς ἄρ]//χον[τα]ς· [γ]ε̣[ρ]ε̣α̣ λήψεται τῶν θυο[μέ]ν[ων . . . ἀφ’ἑκάσ]/του καὶ ἐπίσπονδον οἴνου κ[αὶ π]α̣[ντω]ν̣ [τῶν παρατιθε]/μ̣ένωγ καὶ τραπεζῶν τῶγ κοσμουμένων [τῆι Ἴσιδι τεταρ]/τῆ, ἀπὸ δὲ τῶ̣ν τραπεζῶν ὧν ἂν δῆμ[ος κοσμῆι . . . / τ]οῖς κατεχομένοις ὑπὸ τοῦ θεοῦ τε[ταρτέας . . .· λήψεται δὲ] // ὁ ἱερεὺς παρὰ τοῦ νεωποίου καὶ τ[ὸ ἀργύριον? . . .] / τὸ τεταγ̣μένον κατὰ τὸ ψήφισ[μα τόδε εἰς τὴν θυσίαν,] / ἥτις μηνὸς Ἀπατουριῶνος τῆι εἰκά[δι συντελεῖται, οἴ]/νου [δ’]αὐτῶι ἐξαι[ρ]ε(ῖ)σθαι ἔχω[ν ἐξουσίαν . . . λήψε/τ]αι δὲ ὁ ἱερεὺς καὶ παρὰ τῶ̣ν . . . // . . . ΣΑΝΤΑΣΙΟΙΑ ἔστωσαν . . . / [τὸ ἱερ]ὸν καθαιρέτω νοσ[σῶ̣ι . . .] /. . . . τὰ δὲ ἐκ τοῦ θησ[αυροῦ γενόμενα δεδόσθω ὑπὸ τοῦ / ἱερέ]ως τοῖς θεοῖς . . . .

Date: about 200 B.C.

Priene, 165, n. 3 partim; Hiller von Gaertringen, *Inschr. Priene*, no 195 (= *Inv. Inscr. Priene*, no 217) and p. 311, corrected in *SEG* II, 571, and by Robert in *REG* 40, 1927, 220f; Magie in *AJA* 57, 1953, 172; Sokolowski, 101-104, no 36; *SEG* XV, 688; Fraser in *OpAth* 3, 1960, 52, n. 8; Pollitt in *Hesp* 34, 1965, 125f; Vidman, *SIRIS*, 149ff, no 291; Dunand III, 56; 149, n. 2.

GRAECIA

Chalcis

7. Marble base with a Greek inscription. H. 0.75, W. 0.32, D. 0.25; H.l. 0.009-0.015.

[῎Ομμασι μὴ λοξ]οῖσιν ἀνὰ κλυτὰ δέρκεο δῶρα / [Γοργίου ἠγα]θέωι, ξεῖνε, τάδ᾽ἐν τεμένει, / [ὣς πρέπ]ο̣ν̣ εὐσεβίαι παρέχει γέρας, ἄξια τεύχων / [δαίμ]οσιν οὐρανίδαις κοῦρος ὁ Νικαρέτου. // Γοργίας Νικαρέτου / Σαράπιδι, ῎Ισιδι, / ᾽Ανούβιδι, ῎Απιδι / εὐχήν.

Date: 2nd century B.C.?

IG XII 9, 926; Rusch, *S et I*, 27; Salac, *IS*, 17; Vidman, *SIRIS*, 39, no 84; Dunand II, 28, n. 2; III, 58.

COINS

1. SILVER COINS

Mauretania

1. Silver coin (diam. 0.016, Weight 2.30 gr.).

Obv. ΚΛΕΟΠΑΤΡΑ ΒΑΣΙ, bust of Cleopatra to the left, diadem and draped. Border of pearls.

Rev. Apis standing to the right. A sun-disc between the horns.

L. Charrier, *Description des Monnaies de la Numidie et de la Maurétanie,* Mâcon 1912, 270.
J. Mazard, *Corpus nummorum Numidiae Mauretaniaeque,* Paris 1955, 125, no 392 (not listed in Müller).

2. Silver coin (diam. 0.018, Weight 2.30 gr).

Obv. ΚΛΕΟΠΑΤΡΑ ΒΑΣΙΛΙ, bust of Cleopatra to the left, diadem.

Rev. Apis standing to the right. A sun-disc between the horns.

L. Müller, *Numismatique de l'Afrique Ancienne,* Copenhague 1862, 110, no 103 with drawing (in the Royal Coin Cabinet, National Museum of Monetary History, Stockholm).
Charrier, 270.
Cabinet des Médailles.
J. Mazard, 125, no 393.

2. BRONZE COINS

A. BRONZE ALEXANDRIAN COINS

If not mentioned otherwise below, the obverse of the coins shows the laureate head or bust of the emperor, sometimes also an *aegis*, and the usual legend:

Nero: ΝΕΡΩΚΛΑΥΚΑΙΣΣΕΒΓΕΡΑΥΤ

Domitian: ΑVΤΚΑΙΣΑΡΔΟΜΙΤΙΑΝΟΣΣΕΒΓΕRΜ
ΑΥΤΚΑΙCΑΡΔΟΜΙΥCЄΒΓЄRΜ

Trajan: AYTTPAIANCƐBΓƐRMΔAKIK
Hadrian: AYTKAICTPAIAN AΔPIANOCCƐB
AΔPIANOCCƐB AVTKAICTRAINOC
Antoninus Pius: AYTKTAIΛAΔP ANTωNINOC ƐY CƐB
AVTKTAIΛAΔP ANTωNINOCCƐBƐVC
Marc Aurel: MAYPHΛIOC ANTƱNINOCCƐ
MAYPHΛIOC ANTωNINOCCƐ
Commodus: MAKOMANTωCƐBƐYCƐB
Λ AVPHΛIOCKOMMOΔOCCƐBVΠAT B
Julia Domna: IOYΛIAΔOMNACƐB
Publius Septimius Geta: Π CƐPTIMIOC ΓƐTACKAICAP

The Egyptian year of reign of the emperor is pictured on the reverse, in the field above and/or below the representation of Apis. We don't mention it in the text. Present are: L A (year 1), L B (year 2), L Γ (year 3), L Δ (year 4), L E (year 5), L Ϛ (year 6), L Z (year 7), L H (year 8), L Θ = L ENAT (year 9), L I (year 10), L IA = L ENΔEKATOY (year 11), L IB (year 12), L IΓ (year 13), L IΔ (year 14), L IϚ (year 16), L IZ (year 17), L IH (year 18), L I = L ENNEAKΔ (year 19), L KH (year 28), L KΘ (year 29). These coins were found in Alexandria or in the neighbourhood of Alexandria.

3.(?) Caligula, year 2 = 37/38 A.D., diam. 0.014.
Obv. heron standing to right, in front of a branch.
Rev. Apis standing to right, disk between the horns.

Feuardent, no 3602 (two pieces).
Gilliard in *JRS* 54, 1964, Pl. X, 5 (Obv. serpent?; Rev. Apis in front of a lotus-calyx).
Cologne, inv. no 61.

4.(?) Caligula, year 2 = 37/38 A.D., diam. 0.015.
Obv. heron standing to left, in front of a branch.
Rev. Apis standing to right, disk between the horns, crescent on flank.

Feuardent, no 3601 (three pieces)
St. Poole, *BMC Alex.*, 337, nos 2632-2637 (dates: 2nd century A.D.).

Dattari in *RIN* 13, 1900, 381, no 113.
Dattari, no 112.
Paris, Bibl. Nat., Cab. des méd., no 4061.
Hunt. Coll. III, 406, no 28.
Vogt, 4.
Milne, nos 5246-5248 (diam. 0.0155 – 0.0160 – 0.015; weight: 1.61 – 2.47 – 1.89 grammes).
Van den Broek, *Phoenix*, 429, Pl. VI, 5-7 (dates: 2nd century A.D.).
Hornbostel, *Sarapis*, 369, n. 3.
Cologne, inv. no 62.

The scholars usually date this coin Caligula; Dattari classifies this coin among coins characterizing year 2 of Caligula. The coin has the same diam. as such Caligula-coins. The coins are also showing a resemblance to the lead tokens or coins of the nomes, with a diam. of 14 mm, of year 11 of Hadrian (see Dattari, 410-424).

5. Nero, year 2 = 55/56 A.D.

Rev. Apis standing to right, lotus between the horns, in front of a trident.

Feuardent, no 663, Pl. XIV.
Vogt, 10.

6. Nero, year 4 = 57/58 A.D., diam. 0.024.

Rev. Apis standing to right.

Feuardent, no 677.

7. Nero, year 14 = 67/68 A.D., diam. 0.025.

Rev. Apis standing to right, disk between the horns.

St. Poole, *BMC Alex.*, 21, no 182 (diam. 0.024).
Dattari, no 293.
Vogt, 11.
Milne, *Suppl.*, 2, no 306 a (weight 9.83 grammes; altar).
Cologne, *Cat.* 209 (diam. 0.026; Egyptian altar).

8. Nero, year 15 = 68/69 A.D., diam. 0.025.

Rev. Apis standing to right, disk between the horns, bell hung round neck.

Dattari, no 294.
Vogt, 12.

9. Domitian, year 1 = 81/82 A.D., diam. 0.025.

Rev. Apis standing to right, disk between the horns, bell hung round neck, altar.

Dattari, no 574.
Vogt, 18.

10. Domitian, year 4 = 84/85 A.D., diam. 0.022-0.023.

Rev. Apis standing to right, disk between the horns, bell hung round neck, altar.

Dattari, no 575.
Vogt, 18.
Milne, no 478 (crescent on flank, Egyptian altar; diam. 0.024; weight 5,18 grammes).
Cologne, *Cat.* 338 (crescent on flank).
The Hague, Koninklijk Penningkabinet.

11. Domitian, year 5 = 85/86 A.D., diam. 0.022-0.024.

Rev. Apis standing to right, disk between the horns, altar.

Feuardent, no 845.
St. Poole, *BMC Alex.*, 38, no 312.
Dattari, no 576 (crescent on body).
Vogt, 18; Gilliard in *JRS* 54, 1964, 136, Pl. X, 6 (crescent on body).
Milne, 14, no 479 (crescent on flank, Egyptian altar, diam. 0.0245; weight 9.06 grammes).
Cologne, *Cat.* 342.

12. Domitian, year 6 = 86/87 A.D., diam. 0.022-0.025.

Rev. Apis standing to right, disk between the horns, altar.

Feuardent, no 853.
St. Poole, *BMC Alex.*, 38, no 313.
Dattari, no 577.
Hunt. Coll. III, 426, no 189 (garland about neck).
Vogt, 19.

Milne, 14, no 485 (crescent on flank, Egyptian altar, diam. 0.0245; weight 8.02 grammes).
Cologne, *Cat.* 350 (collar).

13. Domitian, year 7 = 87/88 A.D., diam. 0.024.

Rev. Apis standing to right, altar.

Feuardent, no 860.
Dattari, no 578 (disk between the horns, bell hung round neck).
Vogt, 19.
Milne, *Suppl.*, 2, no 490 a (diam. 0.025; weight 10.02 grammes).
Cologne, *Cat.* 354 (disk, and bell).

14. Domitian, year 8 = 88/89 A.D., diam. 0.024.

Rev. Apis standing to right, disk between the horns, bell hung round neck.

Feuardent, no 866.
Dattari, no 579.
Vogt, 19.

15. Domitian, year 9 = 89/90 A.D., diam. 0.022-0.025.

Rev. Apis standing to right, disk between the horns, altar.

Feuardent, no 870.
St. Poole, *BMC Alex.*, 38, no 314.
Dattari, no 580 (crescent on body).
Hunt. Coll. III, 426, no 190.
Vogt, 20 (Berliner Münzkabinett, and München, Staatl. Münzslg).
Milne, 14, no 494-495 (diam. 0.025; weight 8.64-8.65 grammes).
Cologne, *Cat.* 364 (crescent on flank, bell hung round neck).

16. Domitian, year 10 = 90/91 A.D., diam. 0.025.

Rev. Apis standing to right, disk between the horns, altar.

Feuardent, no 874-875 (no 875: Apis standing to left).
St. Poole, *BMC Alex.*, 38, no 315.
Dattari, no 581-582 (no 582: Apis standing to left).
Vogt, 20 (Berliner Münzkabinett, and München, Staatl. Münzslg).

17. Domitian, year 11 = 91/92 A.D., diam. 0.014.

Rev. Apis standing to right.

Milne, *Suppl.*, 2, no 507 a (weight 8.58 grammes).

18. Trajan, year 11 = 107/108 A.D., diam. 0.023-0.024.

Rev. Apis standing to left, disk between the horns, altar.

Dattari, no 1182, Pl. XXXI (bell hung round neck).
Vogt, 28.
Cologne, *Cat.* 472.

19. Trajan, year 12 = 108/109 A.D., diam. 0.023.

Rev. Apis standing to left, disk between the horns, altar.

Cologne, *Cat.* 487.

20. Trajan, year 14 = 110/111 A.D., diam. 0.022.

Rev. Apis standing to right, disk between the horns, altar.

Gilliard in *JRS* 54, 1964, 136, Pl. X, 7.

21. Hadrian, year 2 = 117/118 A.D., diam. 0.024.

Rev. Apis standing to right, disk between the horns, crescent on flank, altar.

Cologne, *Cat.*, 746.

22. Hadrian, year 3 = 118/119 A.D., diam. about 0.023.

Rev. Apis standing to right, disk between the horns, crescent on flank, altar.
Cairo, Egyptian Museum, Numismatic Cabinet.

23. Hadrian, year 6 = 121/122 A.D.

Rev. Isis enthroned to left, sceptre in her left hand, *sistrum* in her right one; Apis standing before her, a figure with a *tropaion* behind her.

Feuardent, no 1198.
Vogt, 99.

24. Hadrian, year 6 = 121/122 A.D., diam. 0.024.
Rev. Apis standing to right, Egyptian altar.

Dattari, no 2006.
Vogt, 45.

25. Hadrian, year 8 = 123/124 A.D.

Rev. Apis.

Vogt, 47 (Berliner Münzkabinett, and München, Staatl. Münzslg).

26. Hadrian, year 11 = 126/127 A.D., diam. 0.024.

Rev. Apis standing to right, altar.

Mionnet VI, no 1025 (disk between the horns, crescent on flank; L ENΔEKATOY).
Hunt. Coll. III, 446, no 320, Pl. LXXXVII, 14 (disk between the horns, bell hung round neck).
Vogt, 50.
Milne, *Suppl.*, 4, no 1252 h (above Apis CAIT; diam. 0.014; weight 1.65 grammes).
Cologne (diam. 0.022; L IA).

27. Hadrian, year 17 = 132/133 A.D., diam. 0.023-0.025.

Rev. Apis standing to right, disk between the horns, crescent on flank, altar in a peculiar shape, three balls on the altar.

Feuardent, no 1391.
St. Poole, *BMC Alex.*, 95, no 809-810 (no 810, Obv. *aegis*, Rev. without altar).
Dattari, no 2007-2008, Pl. XXXI.
Hunt. Coll. III, 446, no 374 (without crescent) – no 375 (without altar).
Vogt, 55.
Milne, no 1387-1388 (diam. 0.0235; weight 8.61-8.64 grammes).
Atzler, Auction 28 April 1972, Basel, 89, no 187, Pl. XLI.
Cologne.

28. Hadrian, year 18 = 133/134 A.D., diam. 0.023-0.024.

Rev. Apis standing to right, crescent on flank, altar.

Feuardent, no 1428.
St. Poole, *BMC Alex.*, 95, no 811-812 (no 812, altar varied, cord with tassels round neck, Pl. XXV).
Dattari, no 2009-2010 (no 2010 with disk between the horns).
Furtwängler in *BJb* 107, 1901, 42.
Hunt. Coll. III, 454, no 373.
Vogt, 56 (Berliner Münzkabinett, and München, Staatl. Münzslg).
G. Askew, *A Catalogue of Roman coins*, B.A. Seaby Ltd, London 1948, no R 765.

Milne, 34, no 1436-1438 (disk between the horns, Egyptian altar; diam. 0.0245, 0.023, 0.0235; weight 8.93, 9.52, 7.57 grammes).
Cologne (three coins, of which two with a disk between the horns).

29. Hadrian, year 19 = 134/135 A.D., diam. 0.032-0.035.

Rev. Apis standing to right, crescent on flank, altar varied; L ЄNNЄAKΔ.

Feuardent, no 1461-1462.
St. Poole, *BMC Alex.*, 95, no 813.
Dattari, no 2011-2014 (no 2011 and no 2013 with disk between the horns, no 2014 to left).
Vogt, 58 (Berliner Münzkabinett, and München, Staatl. Münzslg).
Gilliard in *JRS* 54, 1964, 136, Pl. X, 8 (disk between the horns, and to left).
Cologne (three coins, one of which with disk between the horns, and to left).
See also Milne, *s.v.* no 1480-1481 (*Obv.* Antinous).
The Hague, Koninklijk Penningkabinet.

30. Antoninus Pius, year 5 = 141/142 A.D., diam. 0.020-0.023.

Rev. Apis standing to right, altar.

Dattari, no 3089 (crescent on flank) – 3090 (disk between the horns, crescent on flank, Egyptian altar).
Vogt, 68 (Berliner Münzkabinett, and München, Staatl. Münzslg).
Milne, no 1696 (disk between the horns, crescent on flank, Egyptian altar; diam. 0.0235; weight 9.71 grammes; see also p. XXVIII).
Cologne.

31. Antoninus Pius, year 8 = 144/145 A.D., diam. 0.033-0.035.

Rev. Apis standing to right, Egyptian altar.

St. Poole, *BMC Alex.*, 140, no 1175, Pl. XXV.
Dattari, no 3091-3092 (no 3091 common altar).
Hunt. Coll. III, 467, no 457 (exergue line double).
Vogt, 71.
Gilliard in *JRS* 54, 1964, 136, Pl. X, 9 (crescent on flank).
Cologne.

32. Marc Aurel, year 15 = 174/175 A.D., diam. 0.022.

Rev. Apis standing to right, altar.

Dattari, no 3580.
Vogt, 104.

33. Marc Aurel, year 16 = 175/176 A.D., diam. 0.022-0.023.

Rev. Apis standing to right, disk between the horns, Egyptian altar.

St. Poole, *BMC Alex.*, 158, no 1305.
Dattari, no 3581 (crescent on flank, common altar).
Vogt, 104.
Cologne (common altar).

34. Commodus, year 19 Marc Aurel = 178/179 A.D., diam. 0.0225.

Rev. Apis standing to right, disk between the horns, Egyptian altar; L IΘ.

St. Poole, *BMC Alex.*, 173, no 1393.
Vogt, 105.

35. Commodus, year 28 Marc Aurel = 187/188 A.D., diam. 0.025.

Rev. Apis standing to right, disk between the horns.

Drexler, *Cultus*, 114, no 4 (coin of Hadrianopolis).
Dattari, no 3958 (no 3959 id., year 29 (L KΘ) = 188/189 A.D.).
Vogt, 110.

36. Julia Domna, year 5 Septimius Severus = 196/197 A.D., diam. 0.023.

Rev. Apis standing to right, disk between the horns, altar.

Dattari, no 4030.
Vogt, 114.

37. (?) Septimius Severus, year 6 = 197/198 A.D., diam. 0.014; weight 1.06 grammes.

Obv. bearded head to right, laureate; no legend.
Rev. Apis standing to right, disk between the horns, crescent on flank.

Milne, no 5251.

38. Septimius Severus, year 11 = 202/203 A.D., diam. 0.023.

Obv. bust of Geta to right, seen on the back; Π CΕΡΤΙΜΙΟC ΓΕΤΑCΚΑΙ...

Rev. Apis standing to left, disk between the horns, altar.

Dattari, no 4084.
Vogt, 116.

B. BRONZE COINS OF THE NOMES

In addition to the legend mentioned *s.v.* A.:
Domitian: ΑΥΤΚΑΙCΘЄΟΥΙΟC ΔΟΜΙΤCЄΒΓЄRΜ
Trajan: ΑVΤΤΡΑΙΑΝCЄΒΓЄΡΜΔΑΚΙΚ
Antoninus Pius: ΑVΤΚΤΑΙΛΑΔΡ ΑΝΤωΝЄΙΝΟCCЄΒЄVC

Hypselites

39. Hadrian, year 11 = 126/127 A.D.

Rev. Sarapis standing to front, his head turned to left, a lotus flower on his head, a sceptre in his left hand, on his right hand Apis standing to left; VΨΗΛΙ.

Michaelis in *JHS* 6, 1885, 307, Pl. E, 13.

Memphites

40. Domitian, diam. 0.035.

Rev. (?) young man, sceptre in his right hand, on his left hand a serpent, behind him, Apis standing to right, disk between the horns.

Rougé in *RevNum* (N.S.) 15, 1874-1877, 35f, no 4 (Coll. Friedländer).

41. Domitian, year 11 = 91/92 A.D., diam. 0.026.

Rev. Isis standing to right, vulture-headdress, sceptre in her right hand, an uraeus in her left one. Apis standing to right behind Isis, disk between the horns; ΜЄΜΦ......

Dattari in *RIN* 9, 1896, 428, no 49.
Dattari, no 6294, Pl. XXXIII.

42. Domitian, year 11 = 91/92 A.D., diam. 0.028.

Rev. Isis standing to left, vulture-headdress, her left hand turned in her dress; Apis (the forepart only visible) standing to left behind Isis, disk between the horns; NOMOC MЄM......

Dattari, no 6295.

43. Trajan, year 12 = 108/109 A.D.

Rev. Osiris standing, sceptre in his left hand, *sistrum* in his right one; Apis standing behind him; MЄMΦI.

Mionnet VI, 533f, no 74.

44. Trajan, year 12 = 108/109 A.D., diam. 0.035.

Rev. Isis standing to right, vulture-headdress, sceptre in her right hand, an uraeus in her left one; Apis standing to right, behind her; NOMO. MЄMΦЄITHC.

Dattari, no 6296.

45. Trajan, year 13 = 109/110 A.D., diam. 0.035.

Rev. Isis standing, sceptre in her left hand, a serpent on her right one; behind her Apis; MЄNΦ.

Mionnet IX Suppl., 160, no 40.
Rougé in *RevNum* (N.S.) 15, 1874-1877, 35, no 1 (Isis with vulture-headdress; Apis standing to left, disk between the horns).
Dattari in *RIN* 9, 1896, 428, no 49 (female figure with vulture-headdress).
Dattari, no 6297 (NOMOC MЄNΦЄITHC), Pl. XXXIV.

46. Trajan, year 15 = 111/112 A.D., diam. 0.035.

Rev. Isis standing to right, vulture-headdress surmounted by horns, disk and plumes; sceptre in her right hand, an uraeus erect on her left one; beside her Apis, represented half size, to right, globe between the horns; NOMOC MЄMΦITHC.

Rougé in *RevNum* (N.S.) 15, 1874-1877, 35, no 2 (MЄNΦITHC; Cab. des Méd. Paris).
St. Poole, *BMC Alex.*, 345, no 19 (MЄMΦЄITHC; diam. 0.028).
Dattari, no 6298.
Dunand I, 98, n. 3.

47. Hadrian, year 11 = 126/127 A.D., diam. 0.013.

Obv. without legend.

Rev. Apis standing to right, disk between the horns, crescent on flank; ΜЄΜΦΙ.

Mionnet VI, 534, no 80.
Rougé in *RevNum* (N.S.) 15, 1874-1877, 37, no 7 (Cab. des Méd. Paris, no 3972) – no 8, Pl. II, 6 (ΜЄΝΦΙ; Feuardent, no 3540).
Dattari, no 6300 (no disk, no crescent; bell hung round neck), Pl. XXXV.
Milne, no 1243 (bell hung round neck; diam. 0.014; weight 1.85 grammes).

48. Hadrian, year 11 = 126/127 A.D., diam. 0.014.

Rev. Apis standing to right, bell hung round neck, Egyptian altar; ΜЄΜΦΙ.

St. Poole, *BMC Alex.*, 346, no 23-24 (diam. 0.015, no 23).
Dattari, no 6301.

49. Antoninus Pius, year 8 = 144/145 A.D., diam. 0.035.

Rev. Hathor-Venus standing to right, *modius* with remains of a vulture on her head; sceptre in her right hand, an uraeus on her left one; Apis standing to right behind her, disk between the horns; [ΜЄΜ]ΦЄΙΤΗC.

Zoëga, *Museo Borgiano*, no 215, Pl. XXI.
Rougé in *RevNum* (N.S.) 15, 1874-1877, 35f, no 3, Pl. II, 5 (Hygieia?; ΜЄΝΦЄΙΤΗC).
Feuardent, no 3541 (Hathor-Venus).
Dattari, no 6302, Pl. XXXVI (diam. 0.034).
el-Khachab in *JEA* 49, 1963, 151, *s.v.* no 17, Pl. XXV, 16 a (Isis).

50. Antoninus Pius, year 8 = 144/145 A.D., diam. 0.034.

Rev. Isis standing to right, vulture-headdress surmounted by horns, globe and plumes; lotus-headed sceptre in her right hand, an uraeus erect on her left one; beside her Apis, represented half size, to right, globe between the horns, bell hung round neck; ΜЄΝΦЄΙΤΗC.

St. Poole, *BMC Alex.*, 346, no 25.
Dunand I, 98, n. 3.

Pharbaethites (=Horbait)

51. Hadrian, year 11 = 126/127 A.D.

Rev. Apis standing to right.

Mionnet IX Suppl., 162f, no 46 (no legenda; diam. 0.013).

C. LEAD COINS OR TOKENS OF MEMPHIS

52. *Obv.* Apis standing to right, disk between the horns; above its back a crescent vertical and a garland; in front of Apis a herm with two heads (Isis and Sarapis?) crowned with one sun-disc; uraeus at the utmost right. Behind Apis a worn figure (also a herm?); small altar.

Rev. Nilus and Euthenia; OBOΛOI B.

Paris, Cab. des Méd., no 677 (diam. 0.020).
De Longpérier in *RevNum* 1861, 407ff, Pl. XVIII, 1 (says: Isis standing to right, facing Nilus enthroned with a *cornucopia* in his left hand and a reed in his right one; the herms: Ptah and Ammon; diam. 0.026).
Mariette-Maspero, 34 (tessera found on the Dromos of the Serapeum).
Hermann in *JbAChr* 3, 1960, 38, fig. 7, n. 41.
Grimm in *ZÄS* 95, 1968, 23, n. 36.
See also Milne in *JEA* 21, 1935, 213, no 6 (6 *tesserae* of different sizes).

Date: 1st — 2nd century A.D.

53. *Obv.* Isis standing to front; Apis standing to left before an altar, disk between its horns; MЄMΦIC.

Rev. Nilus and Euthenia.

De Longpérier in *RevNum* 1861, 409, Pl. XVIII, 2 ('Isis standing to right before Nilus enthroned to left; Isis is veiled'; diam. 0.019).
Mariette-Maspero, *Atlas*, Pl. IV C (tessera found on the Dromos).
Hermann in *JbAChr* 3, 1960, 38, fig. 7, n. 41.
Grimm in *ZÄS* 95, 1968, 23, n. 36.
See also Milne, no 5278-5279.

54. *Obv.* bearded deity enthroned, holding a figurine of Apis.

Rev. OBOΛOI B....

Mariette-Maspero, 34 (tessera found on the Dromos of the Serapeum).
Lauer-Picard, 20.

55. *Obv.* (?) Apis.
Rev. (?) Sarapis.

Quibell, *Saqqarah,* 13 (two tokens; found in the Necropolis of Mem phis).

56. *Obv.* Isis-Hekate standing to front, disk between horns on her head, uraeus on her right hand, facing Apis standing to left, disk between the horns, crescent on flank; MƐMΦIC.
Rev. Nilus seated to left, facing Euthenia standing to right.

Milne, no 5278, Pl. VI (token; diam. 0.029, weight 9.61) – no 5279 (token; diam. 0.025, weight 5.45; bell hung round neck of Apis).

57. *Obv.* Nilus seated to left, a reed in his right hand, a *cornucopia* in his left one; a hippopotamus below Nilus; in front of him a Victoria presenting a crown to Nilus; behind her a serpent.
Rev. Isis standing to left, disk between horns on her head, a serpent in her left hand, touches with her right hand Apis standing to right, disk between the horns; in the field, above a serpent; MƐMΦIC.

Dattari in *RIN* 9, 1896, 432, no 122.

58. *Obv.* Isis-Hekate standing to front, disk between horns on the head, an uraeus in her right hand; facing her Apis standing to left, disk between the horns; a serpent above Apis; MƐMΦIC.
Rev. Nilus seated to left on his rock, holding reed and *cornucopia,* a crocodile besides him; facing him Alexandria standing to right, headdress of elephant's skin, presenting a crown to Nilus; behind Alexandria, and above, a serpent.

Dattari
no 6416 (diam. 0.026) – no 6417 (diam. 0.024) – no 6418 (diam. 0.027; *Obv.* without serpent above Apis; a genius at the right hand of Isis-Hekate; *Rev.* without crocodile).
no 6419 (diam. 0.023; *Obv.* an *anch*-sign between Apis and Isis-Hekate; *Rev.* Alexandria with two ears of corn; = Dattari in *RIN* 9, 1896, 432, no 123, Pl. VII, below the right hand of Isis-Hekate an Egyptian altar).

59. *Obv.* Isis-Hekate standing to front, disk between horns on her head, an uraeus in her right hand; facing her Apis standing to left,

disk between the horns; behind Apis, Ptah in mummy-form standing to left, holding sceptre with both hands; ΜƐΜΦΙϹ.

Rev. Nilus and Alexandria; on the *cornucopia* in the right hand of Nilus a (?) genius, 14 other genii spread in the field.

Dattari, no 6420, Pl. XXXVI (diam. 0.028) = Dattari in *RIN* 9, 1896, 432, no 124.

60. *Obv.* Isis standing to front, her head turned to right, an uraeus in her right hand, facing Apis standing on a base decorated with a garland, disk between the horns; ΜƐΜΦΙ.

Rev. Nilus seated to left, on a rock, holding a reed and a *cornucopia;* Alexandria with headdress of elephant's skin, holding ears of corn, presenting a crown to Nilus.

Dattari in *RIN* 11, 1898, 376, no 167.
Dattari, no 6421 (diam. 0.018).

61. *Obv.* Nilus and Alexandria.

Rev. Isis-Hekate, an uraeus in her right hand; her left hand on Apis standing on a base, disk between the horns; a genius, flying, brings a crown on the head of Isis-Hekate.

Dattari
no 6492 (diam. 0.024).
no 6493, Pl. XXXVII (diam. 0.020; *Obv.* behind Alexandria a genius standing to right, his right hand raised; *Rev.* without genius, and an uraeus-disk above Apis).
no 6494 (diam. 0.020; *Obv.* similar as no 6493: *Rev.* similar, without uraeus-disk; Harpocrates dancing on the back of Apis, a (?) branch in his hand).

62. *Obv.* Nilus enthrone d on his rock, reed and *cornucopia* holding; before him, Euthenia enthroned to right, presents ears of corn to Harpocrates standing to left, his right forefinger to his lip.

Rev. Isis enthroned to right, bears a crown of feathers between two ears of corn; facing Isis, Apis, disk between the horns; behind Apis a personage who offers a figure of (?) Harpocrates emerging from a calyx to Isis; above Apis an uraeus-disk.

Dattari
no 6495, Pl. XXXVII (diam. 0.020).

no 6496 (diam. 0.020; *Obv.* similar as 6495, Harpocrates holding a lotus flower in his left hand; *Rev.* in stead of the personage, Ptah to left, an uraeus in his left hand).

63. *Obv.* Nilus seated to left on a rock, holding reed and *cornucopia*; below him a hippopotamus; (?) Alexandria, facing Nilus, standing to right, presenting a crown to Nilus.

Rev. (?) priest enthroned to left, turned to right, seen on the back, with shaved head, with his right hand offering something to Apis standing on a base decorated with a festoon, standing to left, altar below its head; a serpent, holding a crown in its mouth, above Apis.

Dattari, no 6505, Pl. XXXVII (diam. 0.013).

64. *Obv.* Apis standing to left, disk between the horns; before Apis, Isis standing, a serpent in her right hand, an *anch*-sign in her left one; altar besides her; MЄMΦIC.

Rev. Nilus seated, turned to left, holding reed and *cornucopia*; facing him, Victoria, presenting a crown to him.

De Longpérier in *RevNum* 1861, 410, A (diam. 0.020).
Mionnet IX Suppl., 161, no 42.

65. *Obv.* a bari bearing Apis, and a deity standing; in the field a star.

Rev. Sarapis enthroned to left, facing Isis standing before him.

De Longpérier in *RevNum* 1861, 410, C (diam. 0.014).
Mionnet IX Suppl., 161, no 44 (the standing deity = Anubis; Isis with sceptre in her right hand, ear of corn in her left one).

66. *Obv.* Nilus seated, holding reed and *cornucopia*; hippopotamus below him; Victoria, facing Nilus, presenting a crown.

Rev. (?) Isis standing to left, serpent in her right hand, looking to right to Apis, disk between its horns; MЄMΦIC.

Feuardent
no 3596 (diam. 0.020).
no 3597 (*Obv.* similar; *Rev.* young figure, Asklepius-staff in left hand, leading Apis with his right one; no legend).
These two *tesserae* (so called by Feuardent) of the Coll. Demetrio are mentioned in the *Catalogue des Plombs*, M. Prou – M. Rostovtsew, Paris (an identical *tessera* in possession of Mr Farges at Constantine in Algeria).
Information of Miss Cl. Brenot.

67. *Obv.* Apis standing to left, disk between the horns.
Rev. without type.

Dattari, no 6568 (diam. 0.018).

68. *Obv.* P G S.
Rev. (?) Apis, the forelegs side by side, as the hindlegs, standing to right; the tail in a horizontal position over its back; a crescent in a sun-disk over the back of the bull.

Rome, Museo Nazionale.
De Ruggiero, *Catalogo del Museo Kircheriano,* 203, no 1631 (tessera).
R. Mowat in *RIN* 11, 1898, 33, no 17 bis, with figure (sees a relation with Apollo and Diana).

69. *Obv.* rhinoceros to right.
Rev. bull standing to right.

Rome, Museo Nazionale.
De Ruggiero, *Catalogo del Museo Kircheriano,* 201, no 1542 (tessera).
R. Mowat in *RIN* 11, 1898, 34, no 17 ter.

D. HOMONOIA-COINS OF ALEXANDRIA AND EPHESUS

70. Gordian III, 238-244 A.D., diam. 0.012.
Rev. Apis, garland round neck, (?) lotus between the horns.

Mionnet VI Suppl., 185, no 696 (diam. 0.017).
Drexler in *NumZ* 21, 1889, 89, s.v. 1 b, λ (Museum Theupoli, Venice).
Dunand III, 71, n. 3.

71. Gordian III, 238-244 A.D., diam. 0.020-0.021.
Rev. Apis standing to right, disk between the horns.
Obv. legenda: A K M ANT ΓΟΡΔΙΑΝ.

Mionnet VI Suppl., 185, no 697 – no 698 and no 699 (without disk).
Drexler in *NumZ* 21, 1889, 89, *s.v.* 1 b, λ.
Hunt. Coll. II, 342, no 104.
Dunand III, 71, n. 3.

72. Gordian III, 238-244 A.D., diam. 0.014.
Rev. Apis standing to right, garland round neck, (?) sphere behind the garland, crescent on flank.

Obv. legenda: A K M AV ΓΟΡΔΙΑΝΟC.

SNG Slg Aulock, no 1937, Pl. LX.
Franke, *KleinAsien, Münzen*, 64, no 437.
Dunand III, 71, n. 3.

73. Gordian III, 238-244 A.D., diam. 0.023.
Rev. Apis standing to right, disk between the horns, collar, disk within a crescent on flank.
Obv. legenda: AYT K M ANT. ΓΟΡΔΙΑΝΟC.

BMC Ionia, 115, no 427, Pl. XXXVIII, 9.
Hunt. Coll. II, 342, no 103 (without disk within crescent, and without collar).

E. COINS OF ANTINOUS

Lesbus ins., Mytilene

74. *Obv.* bust of Antinous to right; HPΩC ANTINOOC.
Rev. bull, (?) Apis, standing to right; MYTIΛHVAIωV.

Paris, Cab. des Méd.
Berlin, three pieces.
Gotha.
Coll. Hoffmann, 1536.
Rev. Belge de Num. 1863 III, 111.
Blum, 39, no 1, Pl. II, 4 (diam. 0.015); no 2, Pl. II, 3 (diam. 0.020).
BMC Troas, 206, no 199 (diam. 0.021).
SNG Slg Aulock 5, 1959, no 1753, Pl. LIV.

75. *Obv.* young male head to right; .EΠI..ΛƐCT[O]B.
Rev. Apis standing to right, crescent on flank; above: ΛKINH, in exergue: XA, at the right: MVTI.
diam. 0.020.

Rev. Belge de Num. 1863, 144, no 11 (diam. 0.017; *obv.* head of Antinous to right; HPΩOC ANTINΩOC; *rev.* bull to right; MVTIΛHNAIΩN.
Imhoof-Blumer, *Münzen* II, 511, Pl. XX, 8 (says: Lesbonax).
Beaujeu, 240, n. 7.

Bithynia, Hadrianopolis

76. *Obv.* head of Antinous to left; ΑΝΤΙΝΟΟC ΗΡΩC.
Rev. Apis standing to right; ЄΠΙ.CT.ΚΑΝΔΙΟΥ / ΑΔΡΙΑΝΟΠΟΛΕΙΤΩΝ ΕΤ.

Mionnet II, 434, no 132.
Paris, Inv. de la Coll. Waddington, 55, no 1002.
Vienna, 18422 (diam. 0.037).
Coll. Weber, Pl. XVIII.
Blum, 49, no 1, Pl. IV, 4 (ΑΔΡΙΑΝΟΠΟΛΙΤΩΝ CT̊ЄΠΙC ΤΚΑΝΔΙΑΟVΒ).
Imhoof-Blumer in *RevSuisse* VI-VII, 1896/1897, 14, no 16 (diam. 0.035; Stratonikeia, a city named Hadrianopolis later on).

Bithynia, Hadrianotherae

77. *Obv.* Head of Antinous to right; ΑΝΤΙΝΟΟC ΗΡΩC.
Rev. Apis standing to right, crescent on flank; ΑΔΡΙΑΝΟΘΗΡΙΤΩΝ.

Paris. Von Fritze, *Antike Münzen Mysiens,* 201, 572, Pl. IX, 26.
Mionnet II, 436, no 144 (diam. 0.023) = Dietrichson, *Antinous,* 299, no 52.
Berlin.
Blum, 48, no 2, Pl. III, 12.

78. *Obv.* head of Antinous to right; ΑΝΤΙΝΟΟC ΗΡ.. ΑΓΑΘΟC.
Rev. Apis standing to right, crescent on flank; behind a monogram; ΑΔ.... ΟΘΗΡΙΤΩΝ.

Mionnet II, 436, no 145 (diam. 0.037) = Dietrichson, *Antinous,* 299, no 51.
Cabinet de la Reine Christine de Suède.
Mionnet V Suppl., 50, no 250 (diam. 0.020) = Dietrichson, *Antinous,* 299, no 54.
Drexler in *NumZ* 21, 1889, 57f.

Bithynia, Juliopolis?

79. *Obv.* head of Antinous to right; ΑΝΤΙΝΟΟC ΗΡ..ΑΓΑΘΟC.
Rev. Apis standing to right, crescent on flank; ....ΛΙΘΩΝ.

Mionnet V Suppl., 71, no 361 = Dietrichson, *Antinous,* 300, no 56.
Drexler in *NumZ* 21, 1889, 31, no 2 (thinks Juliopolis questionably, presumes Hadrianotherae, see p. 58).

Bithynia, Nicomedia

80. *Obv.* head of Antinous to right; HP.C ANTINOOC.
Rev. Apis standing to right, crescent on flank; H MHTPOΠOΛIC NIKOMHΔƐIA.

SNG, Nachträge I, Heft 15, 1967, no 7102, Pl. CCXLV (diam. 0.038).

81. *Obv.* head of Antinous to right; HPΩC ANTINOOC.
Rev. Apis standing to right; in exergue H MH, around: TPOΠOΛIC NIKOMHΔƐIA.

Paris, Cab. des Méd.
BMC Pontus, 180, no 10 (Hadrian with head of Antinous!).
Berlin, Münzkabinett.
Florence, Museo Archeologico.
Turin, Coll. royal Bibl. and Coll. Lavy.
Milan, Museo Brera.
Recueil I (3), 522, no 44, Pl. XC, 5 (diam. 0.021).
Coll. Jameson 1913, II, Pl. V, 113.
Coll. Weber, 1483, Pl. XVIII.
Blum, 45, no 2, Pl. III, 3.

82. Medallion, diam. 0.038.
Obv. head of Antinous to right; HPΩC ANTINOOC.
Rev. in exergue H MH, around: TPOΠ[OΛIC] NIKOMHΔƐIA; Apis standing to right.

Paris, Cab. des Méd.
Milan, Museo Brera.
Recueil I (3), 522, no 45, Pl. XC, 6 (n. 2 = Vienna, Kunsthist. Museum Cab.: *Obv.* similar, and a *pedum*; ΠANI ANTINOΩ; *Rev.* similar, illegible legenda).
Blum, 45, no 1, Pl. III, 2.

83. *Obv.* head of Antinous to left.
Rev. Apis standing to right, crescent on flank.

Berlin, Münzkabinett.
BMC Ionia, 278, no 339.
Blum, 40, no 8, Pl. II, 5 (diam. 0.038).

Ionia, Smyrna

84. *Obv.* head of Antinous to left; ΑΝΤΙΝΟΟϹ ΗΡΩϹ.

Rev. bull standing to right; ΠΟΛΕΜΩΝ ΑΝΕΘΗΚΕ ϹΜΥΡΝΑΙΟΙϹ.

Sabatier, 100, *s.v.* no 8.
Cohen II, 276, Pl. IX = Cohen II, 1930^2, 268, no 1 with drawing.
Vienna, *Slg Horsky*, 58, no 1295, Pl. IV.

85. *Obv.* Antinous to right; ΗΡΩϹ ΑΝΤΙΝΟΟϹ.

Rev. Apis standing to left, head to front, triangle of curls on its forehead; ΑΙΟΙϹ ΠΟΛΕΜΩΝ ΑΝΕΘΗΚΕΝ ϹΜΥRΝ.

Gori I, Pl. XVI (gold medallion).

86. *Obv.* bust of Antinous to right, nude; a crook behind the bust; ΑΝΤΙΝΟΩΠΑΝΙ and a monogram Ε.

Rev. bull standing to right.

Sabatier, 99, no 8, Pl. XV (medallion).
Cohen VI, 577, no 1.
Blum, 57, no 1, Pl. V, 13 (contorniate, diam. 0.036); Pl. IV, 14 (diam. 0.034).
Vienna, Kunsthist. Museum Kab. 15761 (diam. 0.038).
Recueil I (3), 522, n. 2.

Bithynia, Bithynion = Klaudiopolis

87. *Obv.* head of Antinous to right; ΗΠΑΤΡΙϹ ΑΝΤΙΝΟΟΝ ΘΕΟΝ.

Rev. Antinous as Hermes, winged shoes, standing beside a bull to left; *pedum*; ΒΕΙΘVΝΕΙΩΝ ΑΔΡΙΑΝΩΝ (diam. 0.041).

Mionnet V Suppl., 19, no 99 = Dietrichson, *Antinous*, 295, no 30-31.
SNG Slg Aulock 1, 1957, no 297, Pl. IX (Η ΠΑΤΡΙΣ ΑΝΤΙΝΟΟΝ ΘΕΟ).
Franke, *Klein-Asien, Münzen*, no 168 with photo.

88. *Obv.* bust of Antinous to right; ΗΠΑΤΡΙϹ ΑΝΤΙΝΟΟΝ ΘΕΟΝ.

Rev. Hermes-Antinous standing to left, dressed in a short tunic, chlamys, wings at his heels, *pedum* in his left hand, his right hand on a bull standing to left at his side. Above, between the legend, a 6-pointed star; ΒΕΙΘΥΝΙΕΩΝ ΑΔΡΙΑΝΩΝ.

Berlin, Münzkabinett (diam. 0.038); Friedländer-Von Sallet, 219f, no 865, Pl. IX. Naples, Coll. Museo Nazionale, and Coll. Santangelo.
Recueil I (2), 270, no 13, Pl. XLI, 17 (diam. 0.040).
Blum, 43, no 4, Pl. II, 13 (Pl. II, 16-17: Id., Antinous, a palm branch in his right hand, some flowers in his left one).
Von Sallet, 49 (a six-pointed star between Beithynion and Adrianon).

F. BRONZE COINS OF CITIES

Bithynia, Bithynion = Klaudiopolis

89. *Obv.* head of Marc Aurel.
Rev. bull standing; ΑΔΡΙΑΝΩΝ ΒΕΙΘΥΝΙΕΩΝ.
Diam. 0.024.

Mionnet V Suppl., 20, no 103.
Recueil I (2), 271, n. 2.

90. *Obv.* head of Commodus; Μ ΑΥΡ ΚΟΜΜΟΔΟϹ ΑΝΤΩΝΙΝΟϹ Κ.
Rev. bull standing to right; ΒΙΘΥΝΙΕΩΝ.
Diam. 0.021.

Vienna, Kunsthist. Museum Kab.
Mionnet V Suppl., 21, no 105.
Recueil I (2), 272, no 27.

91. *Obv.* bust of Caracalla to right, laureate; ΑΥ Κ Μ ΑΥΡ ΑΝΤΩΝΙΝΟϹ.
Rev. (?) Antinous in short tunic, walking to left, his head turned to right, *pedum* in his left hand, his right hand on a bull standing to left, its head lowered: ΒϵΙΘΥΝΙϵΩΝ ΑΔΡΙΑΝΩΝ.
Diam. 0.028.

Coll. A. Löbbecke, Brunswick.
Recueil I (2), 274, no 43, Pl. XLII, 19.

Bithynia, Nicaea

92. *Obv.* head of Antoninus Pius to right, laureate; [ΑΥΤΟΚ]ΡΑΤΩΡ Κ ΑΝΤΩΝΕΙΝΟϹ.

Rev. Apis standing to right, uraeus between the horns; NEIKAIEΩN.
Diam. 0.018.

Paris, Cab. des Méd., Coll. Waddington.
München, Staatl. Münzslg.
Recueil I (3), 413, no 117, Pl. LXIX, 18 (says: crescent on head of Apis).

93. *Obv.* head of Antoninus Pius to right, laureate; AYT KAICAP ANTΩNEINOC.
Rev. Apis standing to right; NEIKAIEΩN.
Diam. 0.019.

Paris, Cab. des Méd. (Babelon, *Inv. somm.*, 23, no 403).
Berlin, Münzkabinett.
Coll. Löbbecke, Brunswick.
Recueil I (3), 413, no 118, Pl. LXIX, 19.
Mionnet V Suppl., 89, no 455 (diam. 0.013; Apis with disk between the horns).
Drexler in *NumZ* 21, 1889, 37, no 1 g; *cf.* Hunt. Coll. II, 249, no 22, Pl. XLVI, 14 (Obv. young Caracalla?; Rev. Apis standing to right, its head raised, NIKAIEΩN; diam. 0.015).

94. *Obv.* head of Marc Aurel to right; AY K M AVP ANTΩNEINOC.
Rev. NIKAIEΩN; Apis standing to right.
Diam. 0.018.

Paris, Cab. des Méd.
Berlin, Münzkabinett.
Recueil I (3), 423, no 194, Pl. LXXI, 24.

Bithynia, Nicomedia

95. *Obv.* rough legend; head of Marc Aurel to right.
Rev. Apis standing to right, (?) crescent on flank; H MHTPOΠOΛIC NIKOMHΔЄIA.
Diam. 0.021.

Vienna, Kunsthist. Museum Kab.
Recueil I (3), 529, no 98, Pl. XCI, 18.

Bithynia, Prusias ad Hypium

96. *Obv.* bust of Lucius Verus Augustus to right; AYT KAI Λ AYP OYHPOC.

Rev. Apis standing to right, (?) uraeus between the horns; ΠPOYCIЄΩN ΠPOC YΠI, in exergue Ω.

Diam. 0.018.

Paris, Cab. des Méd.
Recueil I (4), 609, no 45, Pl. CV, 3.

Bithynia, Prusa ad Olympum (= Bursa)

97. *Obv.* head of Septimius Severus to right, laureate; AYT [Λ] CЄΠTI CЄYHPOC.

Rev. Apis standing to right; ΠPOYCAЄ, in exergue ΩN.

Diam. 0.019.

Winterthur, Coll. Imhoof-Blumer.
Recueil I (4), 586, no 79, Pl. C, 28.

Lydia, Magnesia ad Sipylum

98. *Obv.* bust of Gordianus to right; A K M ANT ΓOPΔIANOC.

Rev. Apis standing to left; MAΓNHTΩN CIΠYΛOY.

München, Staatl. Münzslg.
SNG, The Royal Collection of coins and medals, Danish National Museum, Copenhagen, no 268.
K. Kraft, *Das System der kaiserzeitlichen Münzprägung in Kleinasien,* Berlin 1972, 114, no 33 b, Pl. 5.

Paphlagonia, Amastris

99. *Obv.* head or bust of Marc Aurel to right, with beginning beard, draped; OYHPOC KAICAP.

Rev. Apis standing to right; AMACTPIANΩN.

Diam. 0.018.

Paris, Cab. des Méd.
Milan, Museo Brera.
Naples, Museo Nazionale, and Coll. Santangelo.

Vienna, Kunsthist. Museum Kab.
Coll. Löbbecke, Brunswick.
Recueil I (1), 146, no 95, Pl. XX, 9; 147, no 102.

100. *Obv.* bust of Marc Aurel, with beard; A KAIC MAVP ANTΩNEIN.
Rev. Apis standing to right; AMACTPIANΩN.
Diam. 0.020.

BMC Pontus, 87, no 25, Pl. XX, 9.

101. *Obv.* bust of Faustina the younger to right; ΦAYCTEINA NEA CЄBACTH.
Rev. Apis standing to right; AMACTPIANΩN.
Diam. 0.018.

Paris, Cab. des Méd.
Coll. Löbbecke, Brunswick.
Recueil I (1), 150, no 134, Pl. XX, 35.

102. *Obv.* head of Lucius Verus to right; OY KAI ΛOYKIC.
Rev. Apis standing to right on a bari; AMACTPIANΩN.
Diam. 0.018.

Paris, Cab. des Méd.
Recueil I (1), 152, no 143, Pl. XX, 40.

103. *Obv.* bust of Zeus Strategos to right; ZEVCCTPATHΓOC.
Rev. bull, (?) Apis standing to right; AMACTPIANΩN.
Diam. 0.0175.

BMC Pontus, 85, no 11, Pl. XX, 1 (date: Antonines' period).

104. *Obv.* Π CЄΠ ΓЄ..., head of Geta.
Rev. Apis standing to right; AMACTPIANΩN.
Diam. 0.018.

Milan, Museo Brera.
Recueil I (1), 154, no 164, Pl. XXI, 11.

105. *Obv.* head or bust of Geta to right, laureate; countermark of young Geta?; AYT K Π CЄ ΓЄTAC AYΓ.

Rev. Apis standing to right; ΑΜΑϹΤΡΙΑΝΩΝ, in exergue: ΑΠΙϹ.
Diam. 0.029.

Berlin, Münzkabinett (formerly part of the Coll. Imhoof-Blumer).
Recueil I (1), 154, no 166, Pl. XXI, 13 (Obv. 'countermark of a head of Gordian to right').

Paphlagonia, Gangra-Germanicopolis

106. *Obv.* bust of Septimius Severus to right, paludamentum and cuirass; ΑVΤ ΚΛ ϹЄΠ ϹЄΟΥΗΡΟϹ.

Rev. bull standing to right, its head raised, its right foreleg lifted, its tail curled around its hindleg; Γ ЄΡΜΑΝΙ ΚΟΠΟΛЄΩϹ.

Diam. 0.0275.

BMC Pontus, 92, no 4, Pl. XXI, 6.

107. *Obv.* bust of Septimius Severus to right, laureate; Α (or ΑΥ) ΚΑΙ Λ ϹΕΠ ϹЄΟΥΗΡΟϹ ΑΥ.

Rev. Apis standing to right, before an altar; ΓЄΡΜΑΝΙΚΟΠΟΛЄΩϹ, in exergue: ЄϹΤΙΑϹ.

Diam. 0.029.

Paris, Cab. des Méd.
Recueil I (1), 164, no 24, Pl. XXII, 16.

108. *Obv.* bust of Julia Domna to right; ΙΟΥΛΙΑ ΑΥΓΟΥϹΤΑ.

Rev. bull standing to right, right foreleg lifted: ΓЄΡΜΑΝΙΚΟΠΟΛЄΩϹ.

Diam. 0.024.

Florence, Museo Archeologico.
Recueil I (1), 165, no 37, Pl. XXII, 27.

109. *Obv.* bust of young Caracalla, laureate; ΑΥΤ Κ Μ ΑΥΡ ΑΝΤΩΝΙΝΟϹ.

Rev. ΑΡΧ ΓЄΡΜΑΝΙΚΟΠΟΛЄ..; bull standing to right, left foreleg raised.

Diam. 0.021.

Paris, Cab. des Méd.
Berlin, Münzkabinett.
Recueil I (1), 166, no 44, Pl. XXII, 32; no 45 (Obv. similar; Rev. similar, in exergue: ΩϹ, in the field ЄϹΤΙΑ; diam. 0.029; Coll. Schennis, see Imhoof in *Zeitschr. f. Num.* XX, 270, Pl. X, 4).

Thracia, Hadrianopolis

110. *Obv.* Septimius Severus.
Rev. Apis standing to right, disk between the horns.

Drexler, *Cultus*
114, no 4 b; *cf.* Mionnet I, 387, no 148.
114, no 4 a; Id., coin of Commodus; *cf.* Mionnet II Suppl., 666, no 311.

Thracia, Perinthus

111. *Obv.* jugate heads of Sarapis and Isis.
Rev. Apis standing to right, disk with uraeus between the horns; ΠΕΡΙΝΘΙΩΝ.

Berlin, Münzkabinett, no 21363 (Von Sallet, *Münzen* I, 207, no 8, Pl. V, 52.
Mionnet I, 400, no 251.
Drexler, *Cultus*, 106, coin γ.
Hunt. Coll. I, 390, *s.v.* Perinthus, no 2, Pl. XXVII, 6; diam. 0.020.
Edit Schönert, *Griechisches Münzwerk. Die Münzprägung von Perinthos*, Berlin 1965, 97-99, nos 40-58 and Pl. 2; Obv. jugate heads of Sarapis and Isis; on Sarapis' head a lotus-flower and a laurel-wreath, on Isis' head a wreath of ears of corn and her usual headdress. Rev. Apis standing to right, the head raised; between the legs 'das Wappen, wobei das rechter Pferdevorderteil geflügelt ist'. Sometimes a monogram in the field. According to Edith Schönert these coins date from the end of the third century B.C. and later periods; 113f, nos 149-150 and Pl. 6, dated in the second half of the second century A.D., *cf.* Von Sallet, no 8.

G. COINS OF JULIAN THE APOSTATE

Large Roman coins, bronze with a silver surface, called Maiorinae. Diam. 0.027-0.035, weight 6.45-11.42 gr.

The obverse of the coins shows a bearded head or bust of Julian in cuirass and chlamys, with diadem, and the legend: D N FL CL IVLIANVS P F AVG. They are dated end 362-363 A.D. (26th June, the death of Julian).

112. *Rev.* Apis standing to right, above two stars; around SECVRITAS REIPVB.

Askew, *Cat.*, 118, no R 2982 (various mints).
Coll. Hoffmann, 152, no 2164 (two middle bronzes).

113. *Rev.* Apis standing to right, above two stars; an eagle with a wreath in its beak before the bull; around SECVRITAS REIPVB.

Askew, *Cat.*, 118, no 2983.

114. *Rev.* Apis standing to right, a star between the horns, a star over the back; around SECVRITAS REIPVB, in exergue LVGD OFF P.

Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 34, no 1 (16 pieces); Lugdunum.

115. *Rev.* similar, in exergue LVGD OFF S.

Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 34, no 2 (11 pieces).

116. *Rev.* similar, a point at the end of the legend, in exergue LVGD OFF P.

Elmer in *NumZ* 30, 1937, 34, no 3.

117. *Rev.* similar, in exergue LVGD OFF S.

Elmer in *NumZ* 30, 1937, 34, no 4 (2 pieces).
The Hague, Koninklijk Penningkabinet.

118. *Rev.* similar, no point, in exergue twig P LVGD.

Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 34, no 7 (2 pieces).

119. *Rev.* similar, in exergue twig S LVGD.

Berlin, Münzkabinett.
Elmer in *NumZ* 30, 1937, 34, no 8.

120. *Rev.* Apis standing to right, two stars above its head, a wreath before Apis; around SECVRITAS REIPVB, in exergue P CON.

Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 34, no 9 (Arelate-Constantina).
Barb in *NumZ* 29, 1936, 64, no 13, in exergue P COnst (antique cast falsification, found in Jabing, Burgenland).

121. *Rev.* Apis standing to right, two stars above its head, a wreath before Apis; around SECVRITAS REIPVB, in exergue S CON.

Cohen VI, 368, no 73.
Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 34, no 10; no 11 (2 pieces) similar, in exergue T CON.

122. *Rev.* Apis standing to right, a star between the horns, a star over its back, around SECVRITAS REIPVB, in exergue P CONST an eagle standing on a crown, and holding a crown in its beak in front of Apis.

Berlin, Münzkabinett (P, S and T).
Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 34, no 12 (11 pieces); no 13 (10 pieces), in exergue S CONST; no 14 (10 pieces), in exergue T CONST.
Thieler in *NumZBer* 27, 1962, 51 with fig.; 53f (in exergue S CONST).
The Hague, Koninklijk Penningkabinet (2 pieces; in exergue S CONST).

123. *Rev.* similar, in exergue P CONST·.

Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 34, no 18 (14 pieces); no 19 (20 pieces); in exergue S CONST.; no 20 (14 pieces), in exergue T CONST.

124. A large bronze (diam. 0.04) of Julian was found in Vienne in Cybele's quarter. On the *Rev.* a bull, two stars over its back, a crescent in points between its horns. Around: SECVRITAS REI PVB; in exergue: Θ ? and S CONST (M. Leglay in *Gallia* 24, 1966, 507, fig. 29).

125. *Rev.* similar to **123**, in exergue CONS.

Cohen VI, 368, no 74.
Erman, *Aeg. Rel.* 1952, 498, fig. 186 (an eagle standing before Apis; in exergue CONS P).

126. *Rev.* similar, in exergue CONST.

Gilliard in *JRS* 54, 1964, 138f, Pl. X, 13 (the bull is the astrological sign of Julian).

127. *Rev.* Apis standing to right, a star between the horns, a star over its back; around SECVRITAS REIPVB, in exergue .AQVIL P

Berlin, Münzkabinett.
Elmer in *NumZ* 30, 1937, 35, no 35 (9 pieces); no 36 (10 pieces), in exergue .AQVIL S. Aquileia.

128. *Rev.* similar, in exergue twig A SIS twig.

Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 35, no 37 (7 pieces); no 38 (7 pieces), in exergue twig B SIS twig; no 39 (3 pieces), in exergue twig Γ SIS twig; no 40 (3 pieces), in exergue twig Δ SIS twig. Siscia.

129. *Rev.* similar, in exergue twig A SISC twig.

Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 36, no 45 (19 pieces); no 46 (12 pieces), in exergue twig B SISC twig.

130. *Rev.* similar, in exergue twig A SISC wreath.

Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 36, no 51 (6 pieces); no 52 (3 pieces), in exergue twig B SISC wreath.

131. *Rev.* similar, in exergue A SIRM wreath.

Berlin, Münzkabinett.
Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 36, no 55 (8 pieces); no 56 (6 pieces), in exergue B SIRM wreath. Sirmium.

132. *Rev.* similar, in exergue star A SIRM wreath.

Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 37, no 57 (19 pieces); no 58 (16 pieces), in exergue star B SIRM wreath.

133. *Rev.* similar, in exergue star A SIRM twig.

Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 37, no 59 (14 pieces); no 60 (22 pieces), in exergue star B SIRM twig = 32f, no I with fig..

134. *Rev.* similar, in exergue twig TES A twig.

Berlin, Münzkabinett.
Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 37, no 61 (2 pieces); no 62 (2 pieces), in exergue twig TES B twig; no 63 (6 pieces), in exergue twig TES Γ twig; no 64 (7 pieces), in exergue twig TES Δ twig. Thessalonice.

135. *Rev.* similar, in exergue twig-star TES A point-twig.

Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 37, no 73 (6 pieces); no 74 (9 pieces), in exergue twig-star TES B point-twig; no 75 (7 pieces), in exergue twig-star TES Γ point-twig; no 76 (4 pieces), in exergue twig-star TES Δ point-twig.

136. *Rev.* similar, in exergue S M H A.

Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 38, no 77; no 78 (2 pieces), in exergue S M H B. Heraclea Thraciae.

137. *Rev.* similar, in exergue . HERACL · A.

Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 38, no 83 (3 pieces); no 84 (5 pieces), in exergue . HERACL · B; no 85 (7 pieces), in exergue . HERACL · A (Otto, *Handbuch*, p. X, Pl. XIV, 3); no 86 (8 pieces), in exergue . HERACL . B.
Von Sallet, 98 (in exergue HERACLE).

138. *Rev.* similar, in exergue twig S M ANT A twig.

Berlin, Münzkabinett.
Elmer in *NumZ* 30, 1937, 40, no 141; no 144 (2 pieces), in exergue twig S M ANT Δ twig.

139. *Rev.* similar, in exergue twig ANT A twig.

Vienna, Münzkabinett.
Auction Schulman, *Cat.* 258, 10-13 June 1974, Amsterdam, 103, no 2073, Pl. XLVIII; Elmer in *NumZ* 30, 1937, 41, no 145 (4 pieces); no 146 (9 pieces), in exergue twig ANT B twig; *cf.* Mattingly, *Roman coins*^{2}, 220, Pl. LVII, 4; Cook, *Zeus* I, 637, n. 7, fig. 496; M. und Med. Liste 341, Jan. 1973, no 44 (Apis standing to right, between two branches, a star between the horns, a star over its back).

140. *Rev.* similar, in exergue twig ANT Γ twig.

Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 41, no 147 (9 pieces); no 148 (7 pieces), in exergue twig ANT Δ twig.
Carson-Hill-Kent, *Late Roman bronze coinage*, London 1965, no 2640 (ANT Γ); *Cat. Leiden*, no 943, afb. 384 (ANT Γ).
The Hague, Koninklijk Penningkabinet (ANT Γ).

141. *Rev.* similar, in exergue twig S M N A twig.

Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 40, no 129 (2 pieces), Nicomedia.

142. *Rev.* similar, in exergue twig NIK A twig.

Berlin, Münzkabinett (A, B, Γ).
Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 40, no 135 (6 pieces); no 136 (6 pieces), in exergue twig NIK B twig; no 137 (4 pieces), in exergue twig NIK Γ twig.

143. *Rev.* similar, in exergue twig NIK A point-twig.

Elmer in *NumZ* 30, 1937, 40, no 138 (2 pieces); no 139 (4 pieces), in exergue twig NIK B point–twig; no 140 (8 pieces), in exergue twig NIK Γ point–twig.
The Hague, Koninklijk Penningkabinet (NIK B, and a disc between twigs in the exergue).

144. *Rev.* similar, in exergue CYZICENA A.

Elmer in *NumZ* 30, 1937, 39, no 111; no 112, id. B; no 113, id. Γ. Cyzicus.

145. *Rev.* similar, in exergue CYZIC A.

Berlin, Münzkabinett.

Elmer in *NumZ* 30, 1937, 39, no 114 (8 pieces); no 115, id. B (2 pieces); no 116, id. Γ; Kent in *NumChr* (S. 6), 13, 1953 (1954), 216f, fig. 4, in exergue CYZIC A (he presumes that the bull is a Christian symbol: the energy and the duties of the ruler is compared with those of a bull and its herd); see also Mattingly, *Roman coins*[1], 238, 249.

146. *Rev.* similar, in exergue CYZ A.

Vienna, Münzkabinett.
Elmer in *NumZ* 30, 1937, 40, no 120 (15 pieces); no 121 (10 pieces), id. B; no 122 (11 pieces), id. Γ.

147. *Rev.* twig CONS P A twig, similar.

Berlin, Münzkabinett.
Elmer in *NumZ* 30, 1937, 38, no 91; no 92, id. B; no 93, id. Γ; no 94, id. Δ. Constantinopolis.

148. *Rev.* similar, in exergue twig CONS P A twig, a point behind PVB.

Elmer in *NumZ* 30, 1937, 39, no 99 (2 pieces); no 100, id. B; no 101 (5 pieces), id. Γ; no 102 (2 pieces), id. Δ.

149. *Rev.* similar, in exergue . CONS P A twig, a point behind PVB.

Thieler in *NumZBer* 27, 1962, 51 with fig. (the bull is the symbol of Mithras, accompanied by the stars of the Dioscuri).
Carson-Hill-Kent, *Late Roman bronze coinage*, London 1965, Pl. IV, no 2058; *cf.* E. Stein, *Histoire du Bas-Empire*, Paris 1959, 163.
Elmer in *NumZ* 30, 1937, 39, no 107 (7 pieces); no 108 (10 pieces), id. B; no 109 (7 pieces), id. Γ; no 110 (4 pieces), id. Δ.

The coins of the Emperor Julian are respectively from Lugdunum (114-119), Arelate (120-126), Aquileia (127), Siscia (128-130), Sirmium (131-133), Thessalonice (134, 135), Heraclea in Thracia (136, 137), Antiochia (138-140), Nicomedia (141-143), Cyzicus (144-146) and Constantinopolis (147-149).

ADDENDA TO APIS I

Luxor

Add. 1. Sandstone statue of Apis, left legs forwards, standing on a base (H. 0.93, L. 1.14), a sun-disc with uraeus between the horns. The space between the legs is closed. Remains of stucco. Found in the Sarapieion in Luxor. Luxor, in a small park behind the Savoy Hotel. Seen in 1975.

Leclant in *Or* 20, 1951, 456 (he mentions another bull in granite). The granite bull was not to found in Luxor in 1975.

Mit Rahina

Add. 2. Rectangular relief-plaque in plaster-stucco (H. 0.19, W. 0.24): a Roman emperor who as Pharao makes an offering to Ammon, Apis and a three-headed female deity holding an *anch*-sign in her right hand, a staff entwined of an uraeus-serpent in her left hand (Isis-Hekate?). Hildesheim, RPMuseum, inv. no 1537.

G. Roeder, *Die künstlerische Einwirkung der Griechen auf die Ägypter* in *Alt Hildesheim* Bd 8, 1928, 58, fig. 4; Kayser, *o.c.*, 144, fig. 115 (date: 2nd-3rd century A.D.).

Other monuments

Add. 3. Bronze statuette of Apis (H. 0.106, L. 0.085, D. 0.03) standing, left legs forwards, on a base. Engraved: a triangle on its forehead, a collar, a vulture with spread wings, a cover, and a winged scarab. Sun-disc with uraeus between the horns. On the front and the right-hand side of the base an Egyptian inscription. Amsterdam, Coll. Mrs J. Schulman.

Add. 4. Bronze statuette of Apis (H. 0.051, L. 0.045, D. 0.009) standing, left legs forwards, on a plate. Sun-disc with uraeus between the horns. Engraved: a triangle on the forehead, a winged sun, a cover, and another winged sun. Amsterdam, Coll. Mrs J. Schulman.

Add. 5. Bronze statuette of Apis (H. 0.065), a sun-disc with uraeus between the horns.

Toulouse, Musée Saint-Raymond, no 622.

M. Roschach, *Catalogue des Musées archéologiques de Toulouse*, Toulouse 1892, no 622; Ch. Palanque, *Musée égyptien de Toulouse* in *RecTrav* 25, 1903, 121-138 (124, no 622; 622a (H. 0.06) and 622b (H. 0.04), a sun-disc with uraeus between the horns).

Add. 6. Bronze standard (H 0.34, L. 0.255) consisting of a boat placed on top of the lotus-capital of a papyrus-column. A prayer to Isis is inscribed at the right-hand side of the boat. On the boat: in the centre a quadrangular *naos* surmounted by a Horus-hawk with double-crown; behind the *naos* a hawk-headed human figure, sun-disc with uraeus on its head, is standing between two kneeling hawk-headed figures; in the *naos* a hawk-headed male figure, a sun-disc on top of which the double-crown on its head; before the *naos*-entrance (?) Apis lying on a base, feathers behind a sun-disc between large horns, a support behind the feathers, an engraved collar and cover on its body. A statuette of Isis crowned with a sun-disc between horns, and a statuette of Nephthys with her usual head-dress are placed behind Apis, all three figures on one plate. They are facing a sphinx.

Leyden, RMO, inv. no AED 87.

Roeder, *Bronzefiguren*, 458f, § 625, b, fig. 698-700, Pl. LXXXIX c.

Add. 7. Terracotta head of Apis (H. 0.19). Formerly Coll. A. Chilmê. Samos, Vathy Museum, inv. no A 153, S. 71.

Add. 8. Terracotta head of Apis (H. 0.19). Formerly Coll. A. Chilmê. Samos, Vathy Museum, inv. no A 154, S 72.

Add. 9. Terracotta head of Apis (H. 0.19). Formerly Coll. A. Chilmê. Samos, Vathy Museum, inv. no A 155, S 73.

Add. 10. Terracotta head of Apis (H. 0.12). Formerly Coll. A. Chilmê. Samos, Vathy Museum, inv. no A 156, S 74.

Ν. ΜΠΟΥΦΙΔΗΣ, Αἰγυπτιακὴ Συλλογὴ εἰς το Μουσεῖον τῆς Σάμου in *ArchDeltion* 27, 1972, 40, nos 177-180 (dates: Graeco-Roman period).

Add. 11. Wooden foot-board of a mummy with a stucco cover; a painted figure of Apis, an uraeus-serpent between the horns, in a running pose. Above an inscription: 'Apis living soul'.
Hildesheim, RPMuseum, inv. no 1902 a-c.

Roeder, *Die Denkmäler des Pelizaeus-Museums zu Hildesheim*, Hildesheim 1921, 97; H. Kayser, *Die ägyptischen Altertümer im Roemer-Pelizaeus-Museum in Hildesheim*, Hildesheim 1973, 101f, fig. 77.

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44. Kayser, *o.c.*, 85 (says H. 0.15).
45. Kayser, *o.c.*, 88.
46. Kayser, *o.c.*, 88 (says H. 0.067).
48. Kayser, *o.c.*, 149 (from Mit Rahina; date: 1st-2nd century A.D.).
89. Beaujeu, 132f, n. 3; 231, n. 2; *IGR* I, 1.049.
93. H. Torp in *Acta ad archaeologiam et artium historiam pertinentia* IV, 1969, 107 with Pl. I, d; G. Grimm, *Die römischen Mummienmasken aus Ägypten*, Wiesbaden 1974, Pl. 129,1.
107. A. Gayet, *L'exploration des ruines d'Antinoë et la découverte d'un temple de Ramses II enclos dans l'enceinte de la ville d'Hadrien* in *Annales du Musée Guimet* 26 (3), 1897, 60.
189. *Cat. Leiden*, no 374.
196. Stewart, *Pyramids*, 170, Pl. on p. 79 (from Memphis).
216. Identical with vol II no 542.

ADDENDA TO APIS II

ITALIA

Roma

Add. 12. Marble relief (pres. H. 0.60, W. 0.71, Th. max. 0.045) with a representation of Apis and sacrificial attributes of the Egyptian cult. Found on the Velia.

Rome, Antiquarium Forense, inv. no 3383.

Irene Iacopi, *L'Antiquarium Forense* (itin. 112), Roma 1974, 45.

HISPANIA

Manacor de la Vall

Add. 13. Remains of a temple dedicated to Apis, and a bronze statuette of a young bull should have been found in excavations on the Insula Maior of the Baleares, near Montaura.

José Mascaró Pasarius in *Ampurias* 30, 1968, no 4.0750; mentioned in *Bull. analytique d'Histoire romaine* 7, 1968, no 304.

Emporiae

Add. 14. Terracotta lamp in the form of a head of Apis, crowned with a crescent. Present whereabouts unknown.

García y Bellido, *ROEsp*, 124, J 3; Leclant in *JS* 1971, 71.

GALLIA

Augustoritum

Add. 15. Terracotta lamp in the form of a head of Apis, crowned with a crescent. A small circular handle, and a filling-hole instead of the triangle, amid stripes indicating hair. Present whereabouts unknown (found in Limoges).

Eygun in *Gallia* 23, 1965, 384, fig. 54; Leclant in *Or* 37, 1968, 134f; Id. in *JS* 1971, 71.

BRITANNIA

Penwyth

Add. 16. Bronze statuette of Apis, a sun-disc between its horns, a crescent on its flank. Found in Cornwall, at Penwyth. Ancient Collection S. Birch.

Archeological Journal 25; *AA* VIII (no 16-18), 1850, 174.

DACIA

Bologa

Add. 17. Bronze statuette of Apis (H. 0.065, L. 0.075), right legs forwards, its right foreleg raised, the tail in a loop on its right posterior. Found on the territory of the Roman *castrum* at Bologa (situated at the west of Napoca = Cluj). A hole before the short horns. The head is aloft. Parts of the legs are broken off. The eyes were inlaid. Huedin, Collection A. Potra.

N. Gudea, *Apis'statue discovered at Bologa* in *Studii şi cercetări de Istorie veche şi Arheologie* 25 (3), 1974, 445-447, fig. 1.

SARMATIA

Peninsula Taman

Add. 18. Terracotta protome of (?) Apis (H. 0.12), on its head a *modius* decorated with a crescent and a sun-disc, and a sun-disc between the *modius* and its right horn. On both sides of its head ribbons are hanging. Small circular patches form an elongated triangle on its forehead. Present whereabouts unknown.

M. Kobylina, *Représentations des divinités orientales sur le littoral nord de la Mer Noire aux premiers siècles de notre ère,* (ÉPRO 52), Leiden 1976, 29, no 38; *Découvertes archéologiques de 1971,* Moscou 1972, 147 sq., ill. 148.

Panticapeum

Add. 19. Terracotta fragment of a head of (?) Apis (H. 0.09), a *modius* decorated with a crescent and a sun-disc on its head, three circular patches on its forehead (perhaps five if the head was complete), a fragment of a fourth one in the row below and prints of two other ones. Traces of a white coating and some paint.

Panticapeum, Musée historique de Kertch, inv. no 0520.

Kobylina, *o.c.*, 30, no 39.

PROVENANCE UNKNOWN

Add. 20. Bronze statuette of Apis (H. 0.066-0.067, W. 0.061, D. 0.017) standing, left legs forwards, on a plate. Sun-disc with uraeus between its horns. Bought in Brussels.

Amsterdam, Ancient Art (antiquarian), no 1197.

Unpublished.

Add. 21. Bronze statuette of (?) Apis (H. 0.05, L. 0.075), bought in Rome. The bull is walking, its right legs forwards. A star has been engraved on its forehead; the horns show an explicit crescent form. Augsburg, Römisches Museum, inv. no 57, 1.

G. Schwingestein, *Antike Kleinkunst,* (Städtische Kunstsammlungen Augsburg, Römisches Museum, Band IV), Augsburg 1973, 22, no 53, Pl. 15 a. (Date: 1st-2nd century A.D.).

Add. 22. Terracotta protome of Apis (H. 0.165), a sun-disc with uraeus between its horns.

Hildesheim, Roemer-Pelizaeus-Museum, inv. no 813.

Kayser, *o.c.*, 120.

Add. 23. Terracotta protome of Apis (H. 0.16), a sun-disc with uraeus between its horns.

Hildesheim, Roemer-Pelizaeus-Museum, inv. no 818.

Kayser, *o.c.*, 120.

Add. 24. Terracotta figure of Harpocrates sitting on a bull (Apis?). H. 0.145.

Hildesheim, Römer-Pelizaeus-Museum, inv. no 785.

Kayser, *o.c.*, 123.

Add. 25. Bronze statuette of Apis (H. 0.075, L. 0.073), a sun-disc between the horns, a crescent on the flank, the head is aloft and slightly turned to the left.

Leipzig, Museum Karl-Marx-Universität, inv. no 2621.

Unpublished.

Add. 26. Bronze statuette of Apis (H. 0.06, L. 0.06), left legs forwards, standing on a plate (part of the plate is missing); a sun-disc with uraeus between the horns, a triangle on the forehead; engraved: a cover between winged suns.

Leipzig, Museum Karl-Marx-Universität, inv. no 1929.

Unpublished.

Add. 27. Bronze statuette (H. 0.137) of an Apis-headed human figure. Sun-disc with uraeus between the horns. His left leg is placed forwards. The left forearm and the feet are broken off. His right hand holds an undeterminable object.

London, Collection Ch. Ede.

Ch. Ede, *Collecting antiquities*, (an introductory guide), London 1976, 93, no 242 c.

Add. 28. Bronze statuette of Apis (H. 0.108), left legs forwards, standing on a base with an indecipherable inscription. A sun-disc with uraeus between the horns, a triangle on the forehead. Engraved: a collar, a vulture with spread wings, a cover, and a winged scarab.

London, Collection Ch. Ede.

Auction Ch. Ede, 20th January 1975, no 17; Ch. Ede, *o.c.*, 43, no 245 b.

Add. 29. Bronze statuette of Apis (H. 0.115), a crescent on its right flank. Formerly Collection E. G. Spencer Churchill. At present in a private Collection in the Netherlands.

Northwick Park Collection, Auction Christie, June 1965, no 533, Pl. 79; *Cat. Leiden*, no 135, fig. 93.

Add. 30. Terracotta lamp in the form of a head of Apis, crowned with a crescent, and a triangular decoration on its forehead.

Paris, Louvre, Room 237. Seen in 1974.

Add. 31. Bronze lamp in the form of a head of a young bull (H. 0.09, L. 0.15). On top of the handle, between the horns, a crescent with an inscription:

ΛΥΚΑΙΝΙΕ ΠΑΕΙΚΡΑΤΑ ΔωΡΟΙ·

Formerly Collection Lambros. Present whereabouts unknown.

Lambros-Dattari, 33, no 273.

Add. 32. Earrings of a gold ribbon twisted spirally, terminating in a bull's head (diam. 0.03). In the mouth of the bull is a sun-disc between horns, over which are feathers. Formerly Collection Woodhouse. Date: Hellenistic period.

London, British Museum, no 1808-1809.

F. H. Marshall, *Catalogue of the Jewellery, Greek, Etruscan, and Roman, in the Departments of antiquities, British Museum*, London 1911, no 1808-1809, Pl. XXXI; R. A. Higgins, *Greek and Roman jewellery*, London 1961, 162, Pl. 47 h.

GALLIA

Bosseno

Add. 33. Bronze figurine of a bull (H. 0.055, L. 0.095), standing, its forelegs together; its tail is hanging and shows a striped end. Found in one of the mounds at Bosseno near Carnac (Morbihan). Musée de Carnac (Carnac Museum, Morbihan).

J. Miln, *Fouilles faites à Carnac*, Paris 1877, 166, Pl. 12; *Catalogue du Musée J. Miln à Carnac (Morbihan)*, Vannes 1894, 26, no 433 (= M. Jacq, Carnac-Morbihan, *Catalogue du Musée archéologique James Miln-Zacharie Le Rouzic*, Vannes-Carnac 1942, 181, no 24); L. Marville, *Catalogue du Musée archéologique de la Société Polymathique du Morbihan*, Vannes 1921, 117, *V*itrine H', no 2030 (a facsimile, no 433) = a cast in Musée des Antiquités nationales, no 26559; J. André, *Bronzes gurées trouvés sur le territoire des Vénètes* in *Annales de Bretagne* 68, 1961, 89-94 (p. 94, fig. 2); L. Richaud, *Note sur des bronzes figurés en provenance du territoire des Vénètes* in *OGAM* XX, 1968, 95-100 (98f, fig. 2). Miln calls it Apis resembling. All the other scholars, also J. Leclant, repudiate this view; Richaud: 'Il ne pourrait donc s'agir, dans le meilleur des cas, que d'une très mauvaise imitation s'inspirant vaguement de l'animal révéré en Égypte'. It is the tail, only, which remembers those of Apis bulls.

Add. 34. We incorporated some bulls (*e.g.* Add. **32** and **33**) in our Catalogue of Apis monuments, but it is disputable whether these bulls bear any relation to the Apis bull, as may be the case with the bronze statuettes found in Gaul and called: *tarvos tricaraunos*[1], of which the large bull (the head was found and preserved in the Historical Museum of Valère at Sion), found in Martigny[2], may have been the archetype.

GRAECIA

Peloponnesus

Add. 35. In the excavations of the sanctuary of Hera Akraia a bronze statuette of Apis was found on the area named Perachora, standing on a plate with the left legs forwards. The horns and the sun-disc are (?) broken off; some undulating lines are engraved on the neck, the tail is hanging; the body shows an inscription which is invisible on the photo Ναύμαχος με ἀνέϑεκε ταῖ Ἥραι ταῖ Λιμενίαι.

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[1] Colombet-Lebel, *Les taureaux à trois cornes* in *RAE* 4, 1953, 108-135.

[2] Staehelin, *Die Schweiz in römischer Zeit*, Basel 1948^{3}, 152ff, fig. 22; Colombet-Lebel in *RAE* 4, 1953, 116, fig. 28; István Rácz, *Antikes Erbe, Meisterwerke aus Schweizer Sammlungen*, Zürich 1965, no 169 with photo; *Helvetia archeologica* 18 (5), 1974, 56ff; *Archeologia* 72, Juillet 1974, 76 and *cf.*, 23, no 70. It is a bronze head (H. 0.44); F. Braemer, *Catalogue de l'exposition: L'art dans l'Occident romain*, Palais du Louvre, Juillet-Octobre 1963, 46, no 177, Pl. XV (H. 0.51).

Payne in *JHS* 51, 1931, 193, fig. 10 (date: 6th century B.C., because of the 'Sicyonian' epsilons); *BCH* 55, 1931, 471, fig. 9; see also: James in *Perachora* II, 461-516, where he mentions some glazed scarabs (nos D542-D572 and fig. 36-37); on the reverse is seen either an ox with a sun-disc above the back, or an ox with its head above a lotus-calyx; or an ox with a flattened sun-disc or crescent above its back; or an ox with a bird on its back, a bird behind the ox and a bird standing on a lotus-calyx under its nose (= Pl. CXCII, D 555); Leclant, *IBIS* II, no 620; date: 750-600 B.C.

GRAECIA

Attica, Athenae

Add. 36. Bronze statuette of a bull (H. 0.078) standing on a base, attitude like Apis, left legs forwards; undulating lines around the neck; on its back an inscription (not to be read from the photo; and no bibliography is given). Found on the Acropolis.

Athens, National Museum.

Date: early 5th century B.C.

Blümel, *Tierpl.*, 11, no 80, Pl. 78.

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258. See also a terracotta head of a bull, a triangle painted on the forehead (D. Ohly, *Frühe Tonfiguren aus dem Heraion von Samos I* in *AM* 65, 1940, 94 no 1240, Pl. LI) and a terracotta protome (H. 0.10) of a bull, two concentric triangles painted in black varnish on the white coating of the forehead (J. F. Crome, *Ausgrabungen in Larisa am Hermos im Frühjahr 1934* in *AA* 49, 1934, 406f, Abb. 42, dated: 7th century B.C.).

268. N. ΜΠΟΥΦΙΔΗΣ, Αἰγυπτιακὴ Συλλογὴ εἰς το Μουσεῖον τῆς Σάμου in *ArchDeltion* 27, 1972, 41, Pl. VIII.

269. K. Parlasca, *Zwei ägyptische Bronzen aus dem Heraion von Samos* in *AM* 68, 1953 (1956), 127-136 (135, n. 6). Kind information received of Professor J. Leclant.

293. M. Dunand, *Le temple d'Echmoun à Sidon. Essai de chronologie* in *BMusBeyrouth* 26, 1973, 17, n. 1 and Pl. VI, 2. Nicole Genaille, *Documents égyptisants au Musée des Antiquités de Turin* in *RA* 1975 (II), 230, n. 3.

314. Paola Zancani-Montuoro, *Divinità e templi a Sibari e Thurii* in *Atti e Memorie della Società Magna Grecia* (N.S.) XIII-XIV, 1972-1973 (1974), 57 with Pl. XLIX.

318-321. Nicole Genaille in *RA* 1975 (II), 230ff with fig. 4-7.

321. A. Frova et al., *Scavi di Luni*, Roma 1973, *col.* 55 and Pl. XV, 3.

329. Nicole Genaille in *RA* 1975 (II), 231, n. 2.

359. L. Weber, *Als die Römer kamen... Augusta Vindelicorum und die Besiedlung Raetiens*, Landsberg a. Lech 1973, Photo on p. 180.

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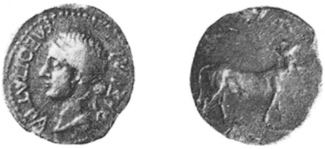

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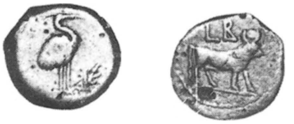

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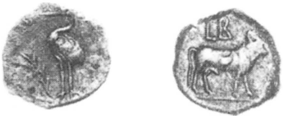

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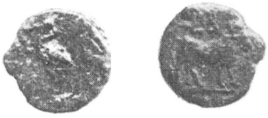

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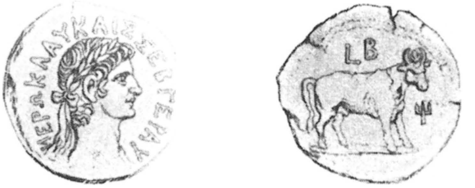
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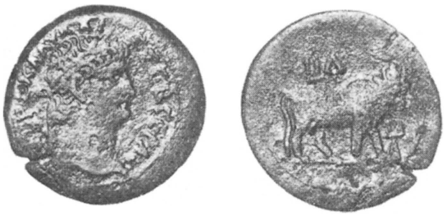

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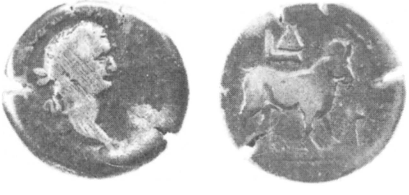

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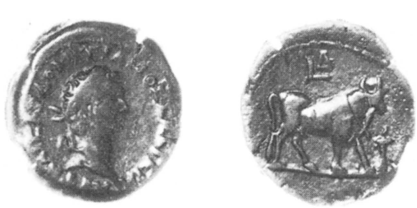

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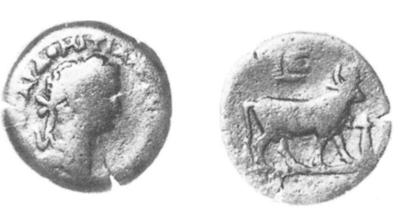

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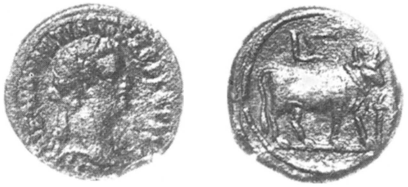

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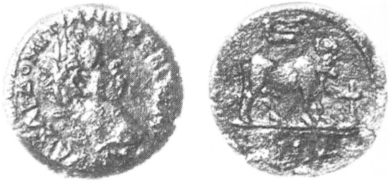

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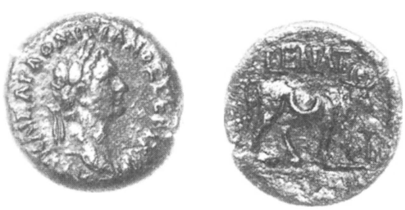

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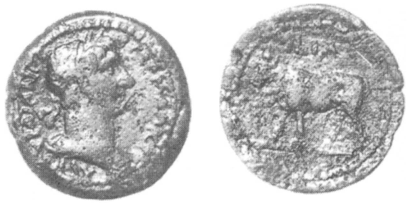

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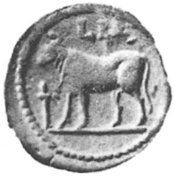

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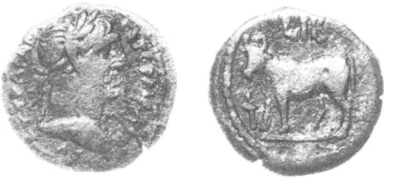

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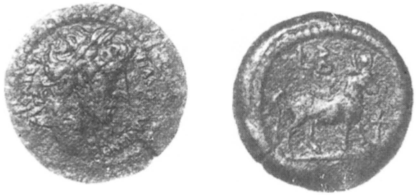

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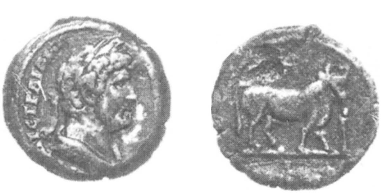

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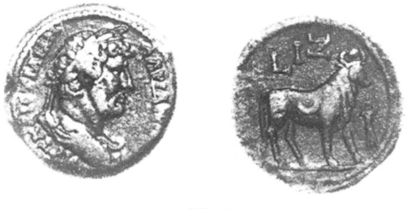

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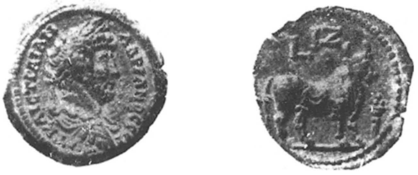

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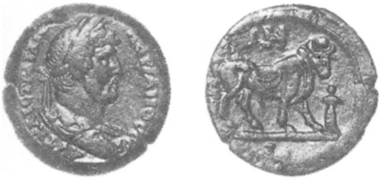

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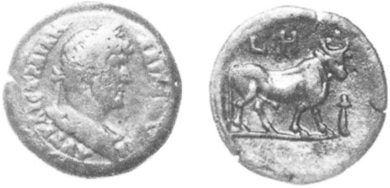

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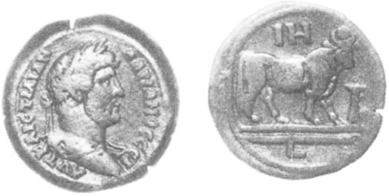

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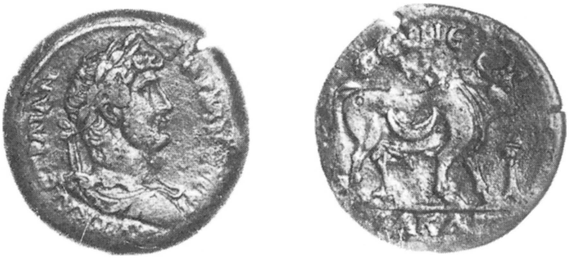

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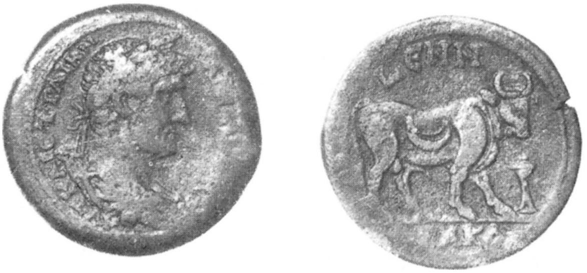

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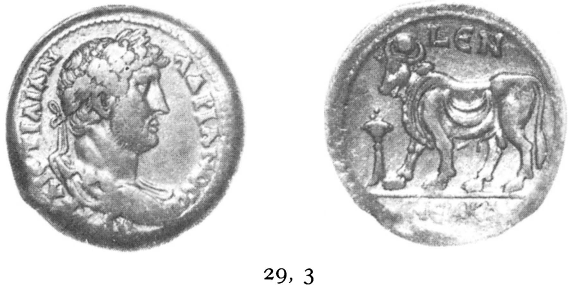

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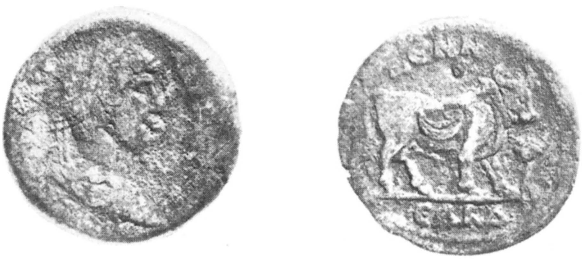

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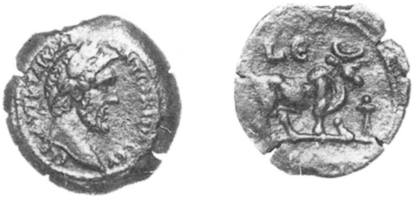

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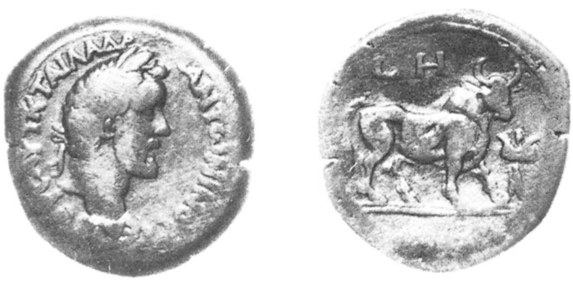

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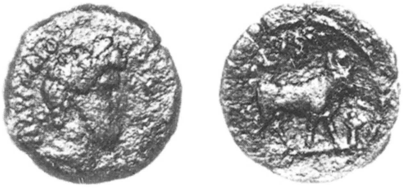

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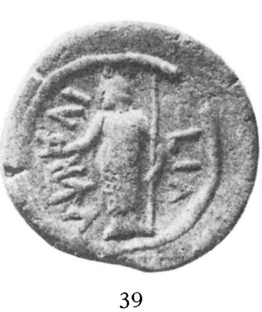

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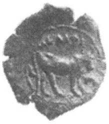

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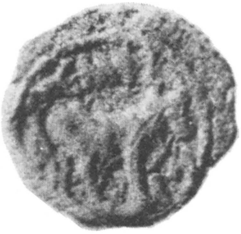

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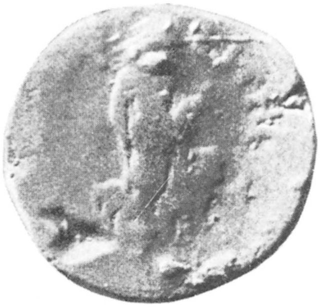

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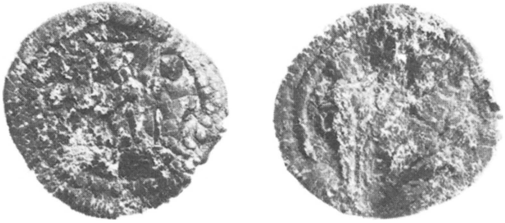

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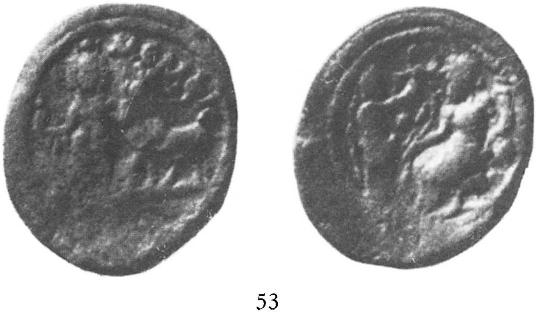

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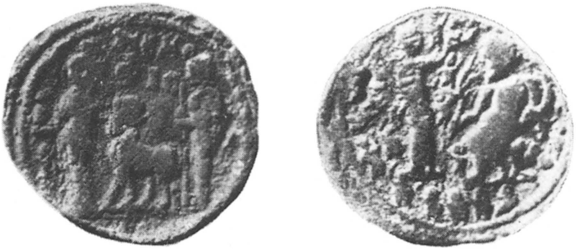

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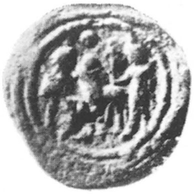

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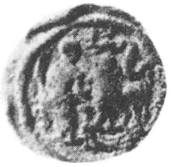

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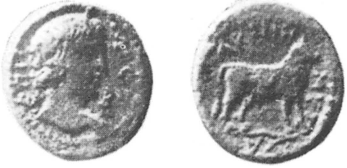

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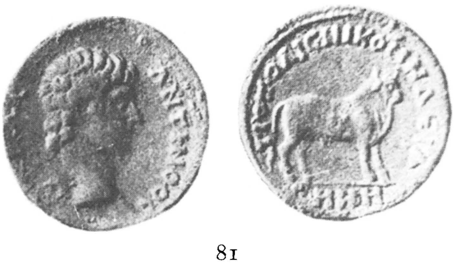

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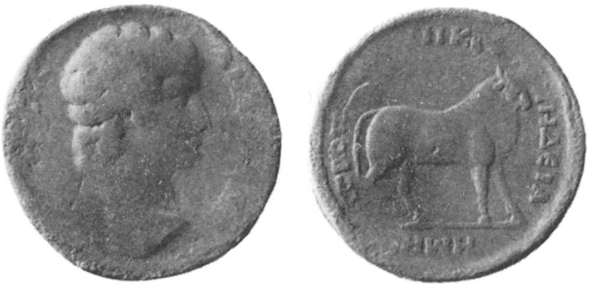

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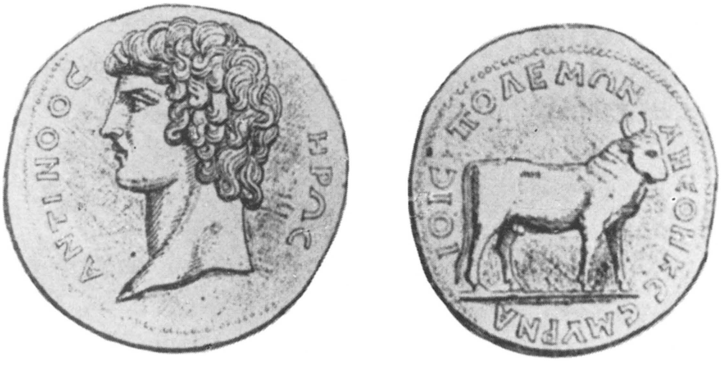
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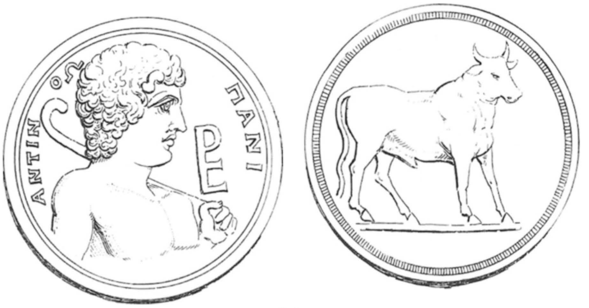
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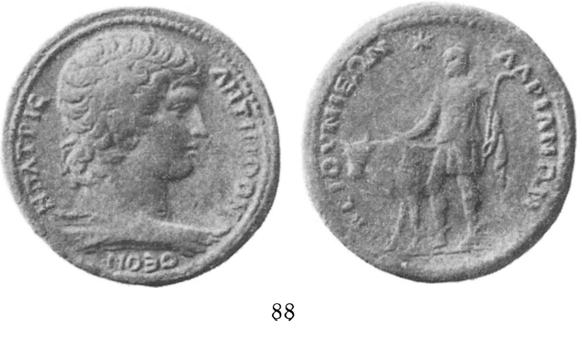
ΠΑΝΙ

86



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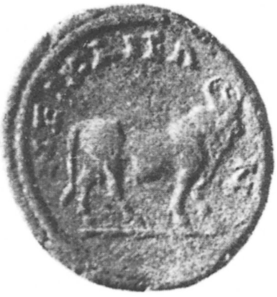

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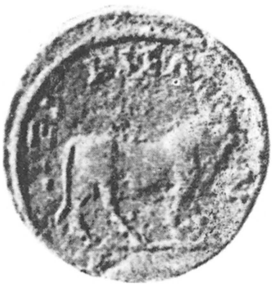

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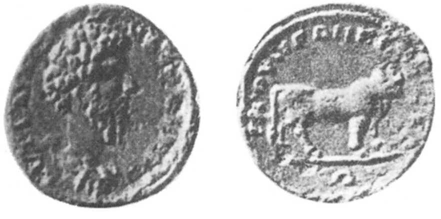

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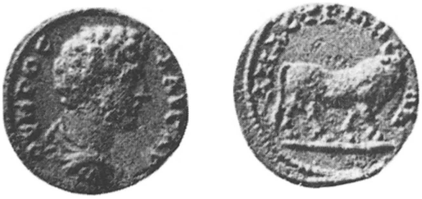

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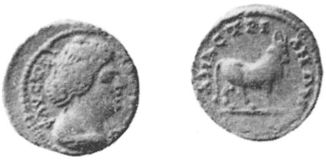

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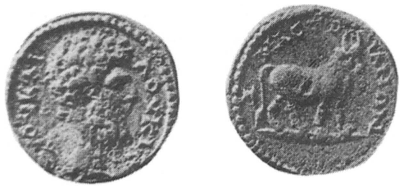

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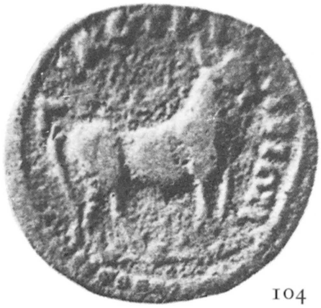
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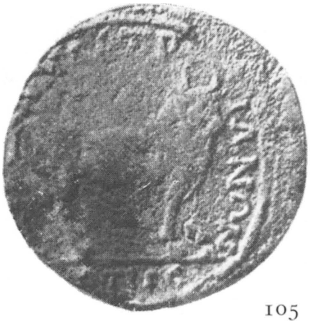
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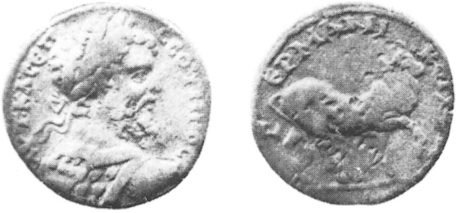
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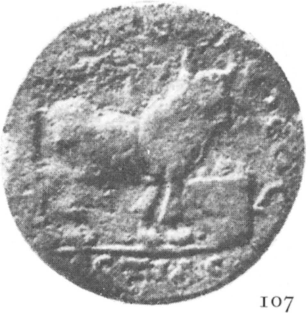
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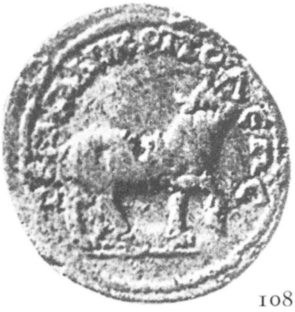
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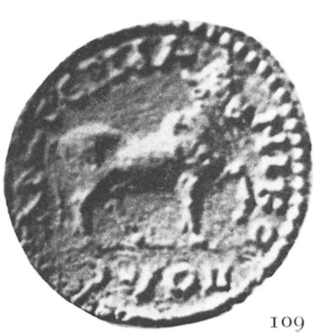
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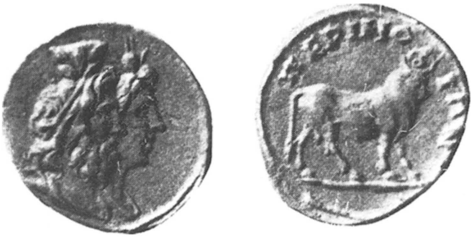
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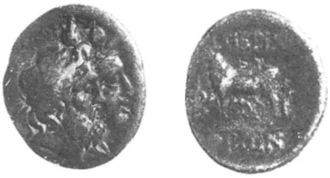
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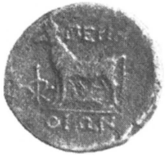
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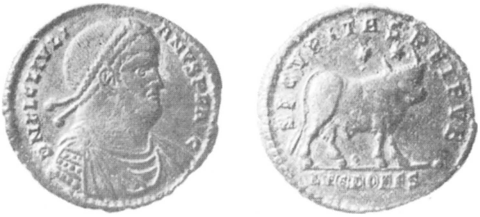
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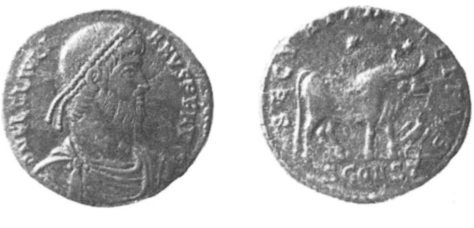
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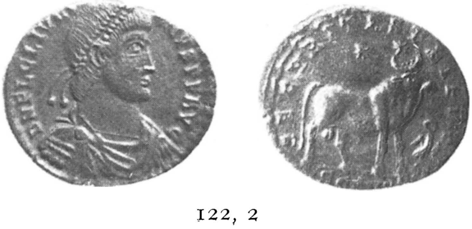
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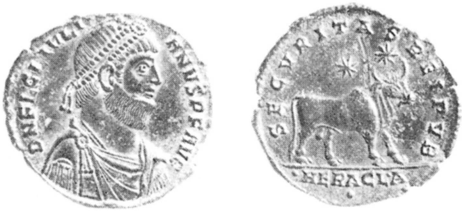
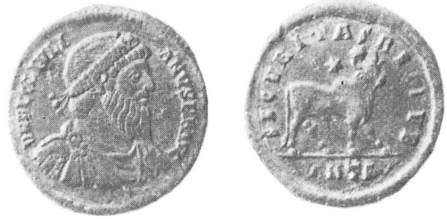
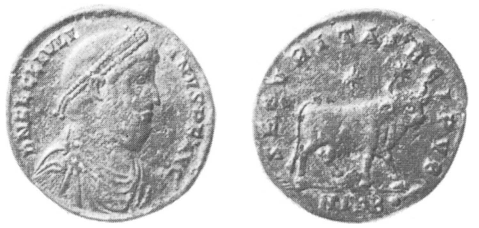
PLATE XII


SECVRITAS REIPVB
HERACLA

137



140



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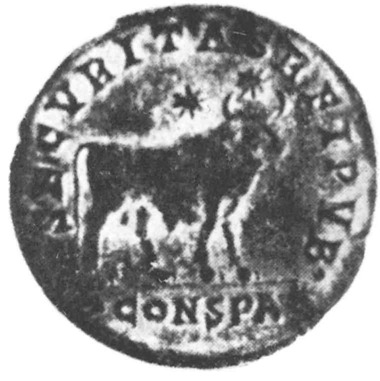
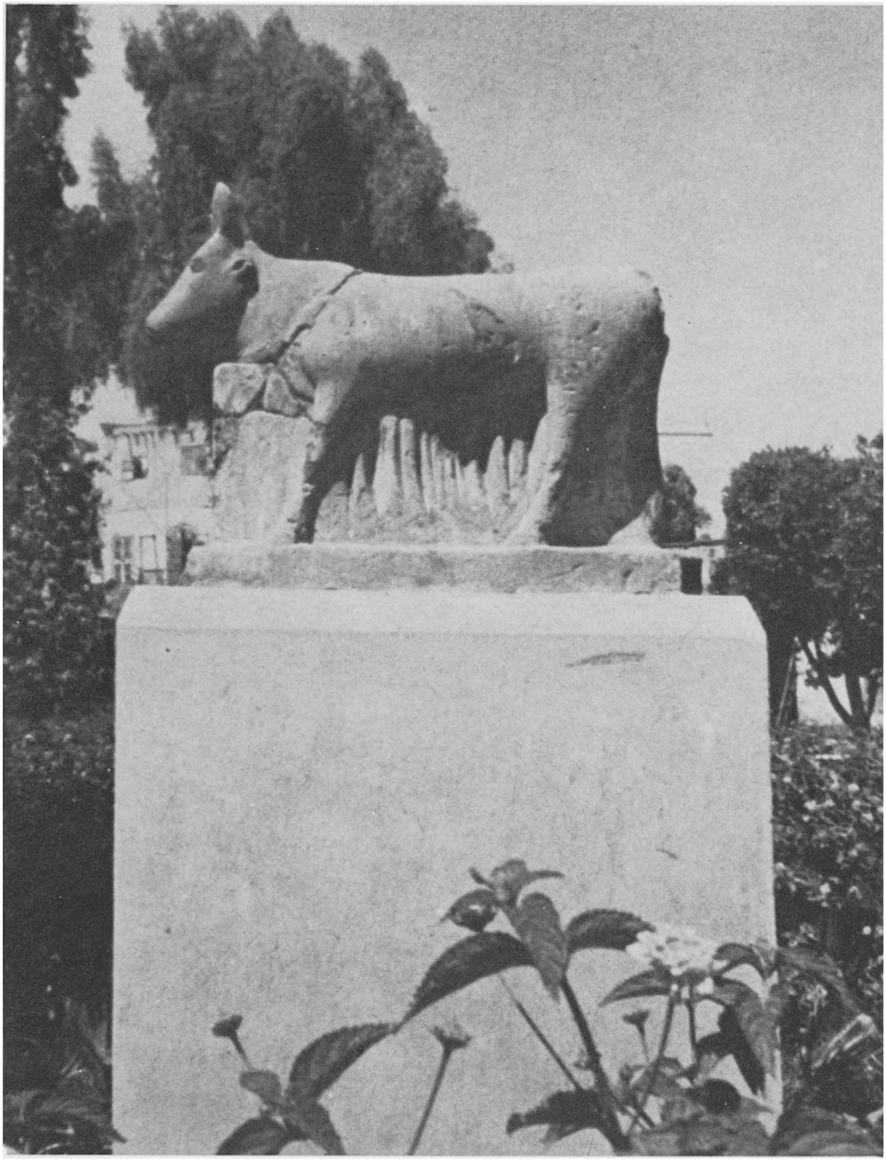
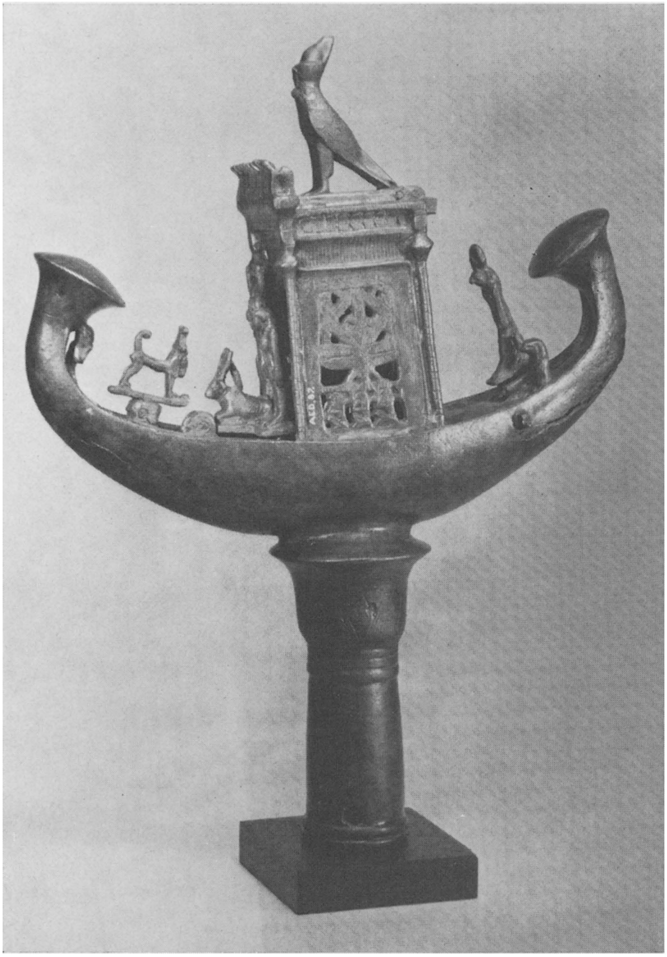

SECVRITAS REIPVB
CONSPA

149

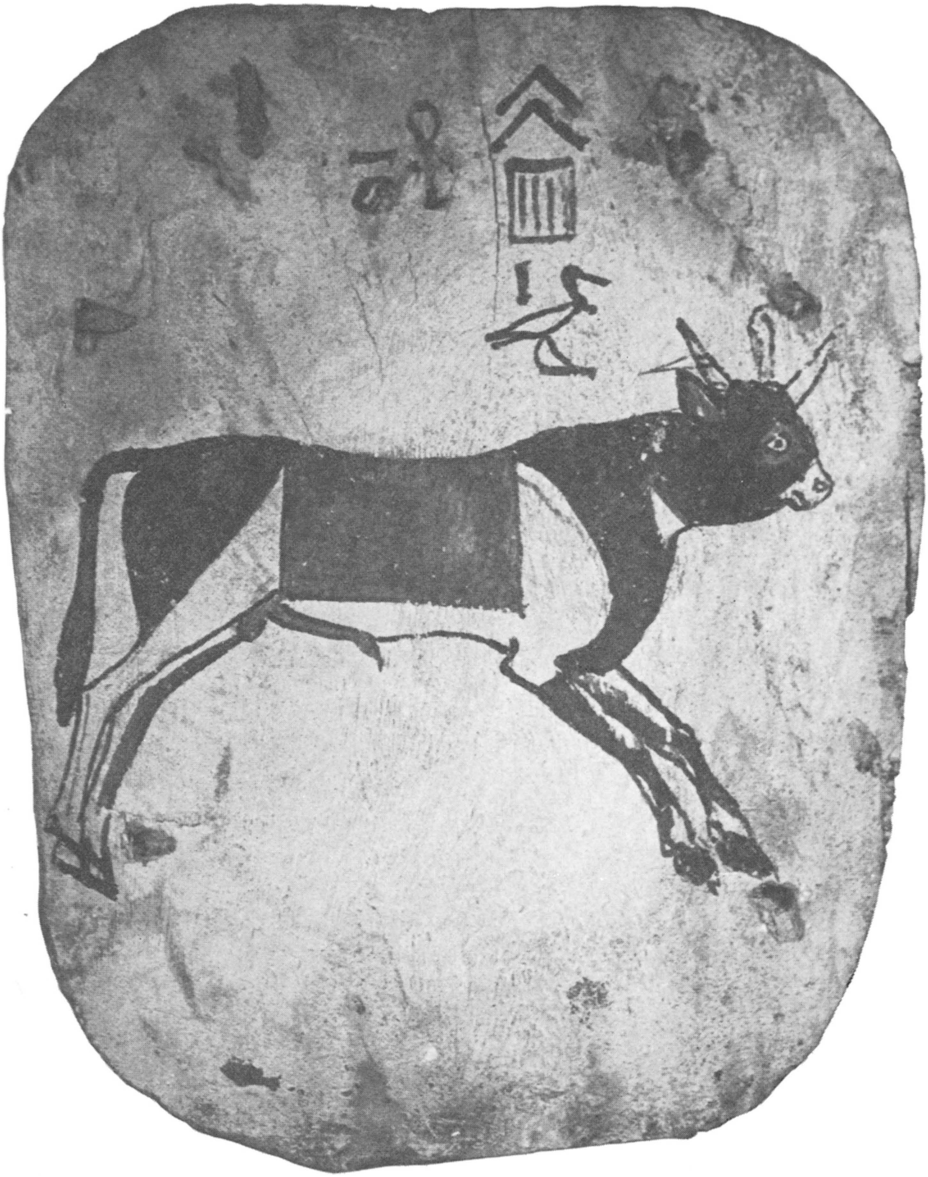


Add. 1

PLATE XIV

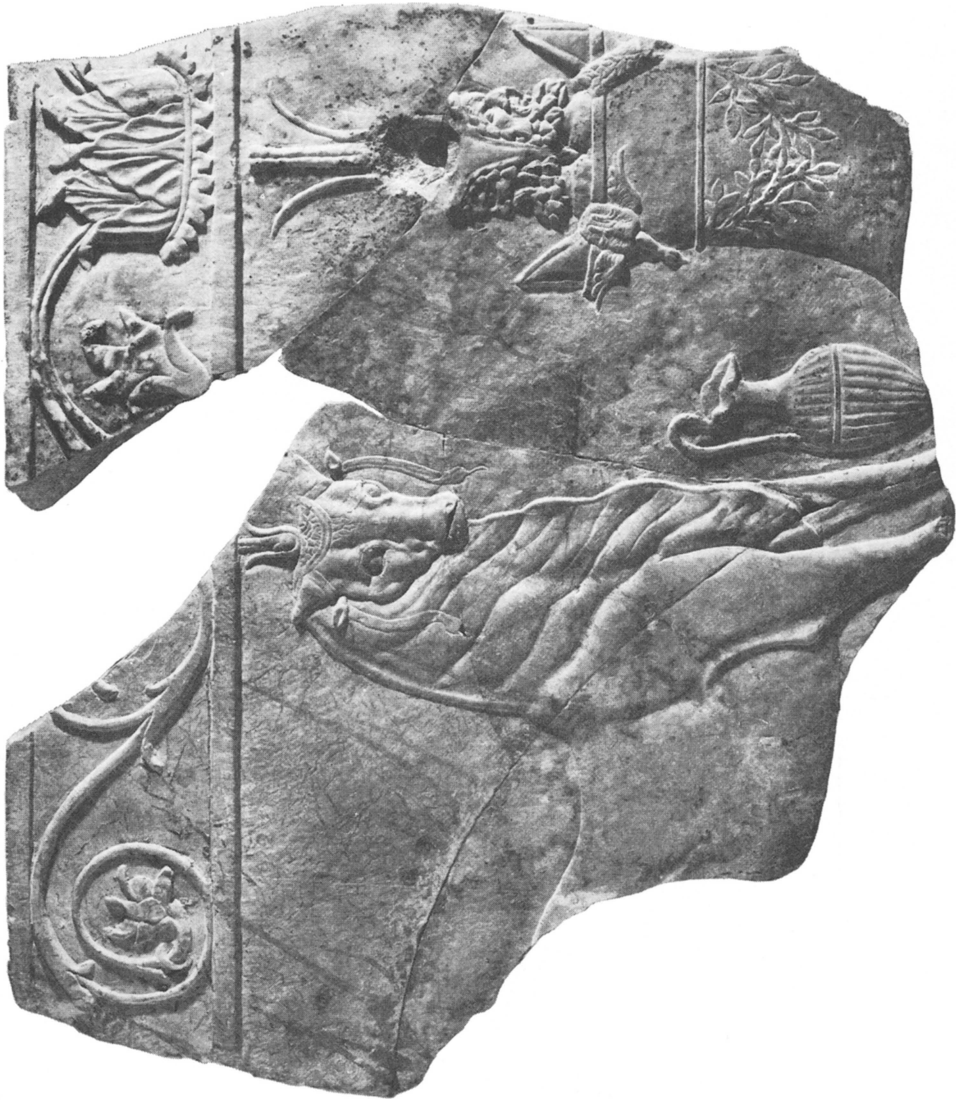


Add. 6



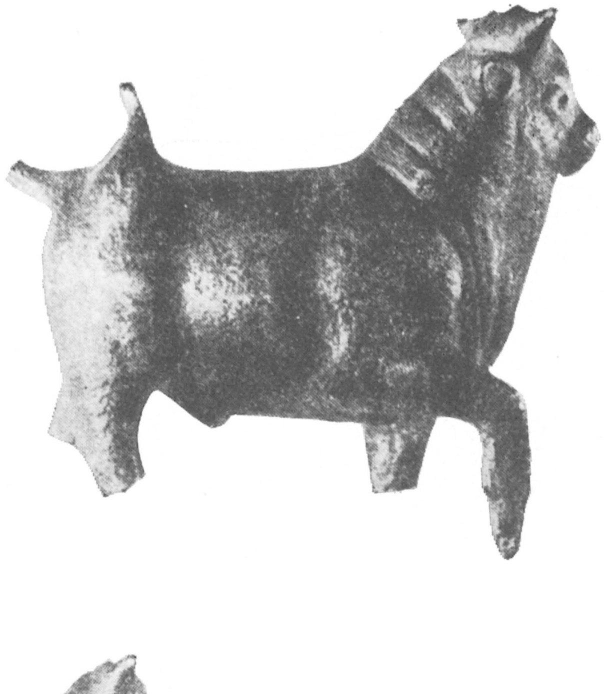
Add. 11

PLATE XVI



Add. 12

PLATE XVII



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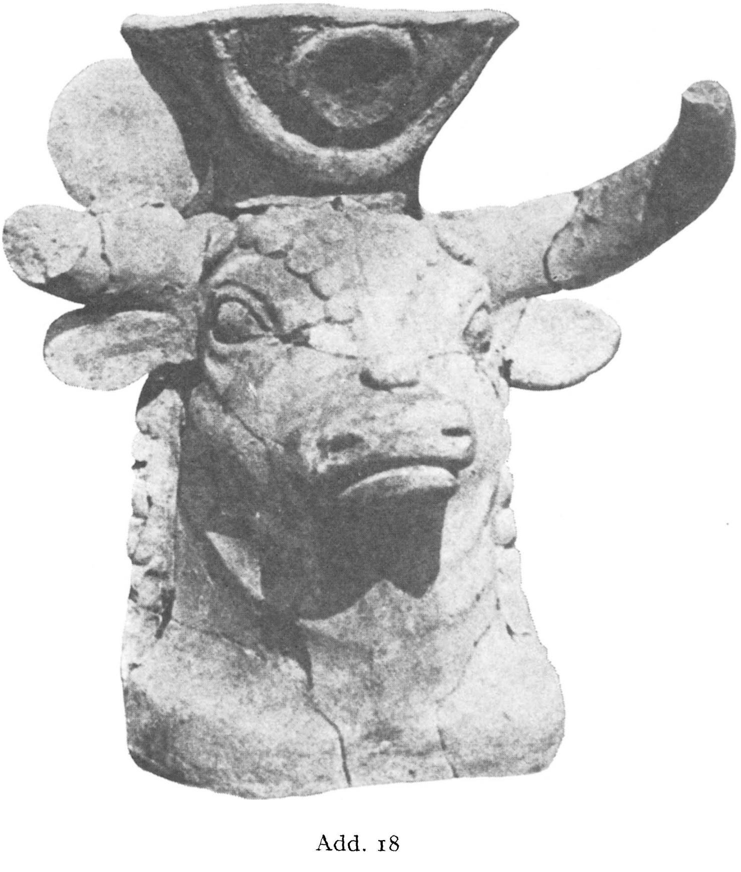
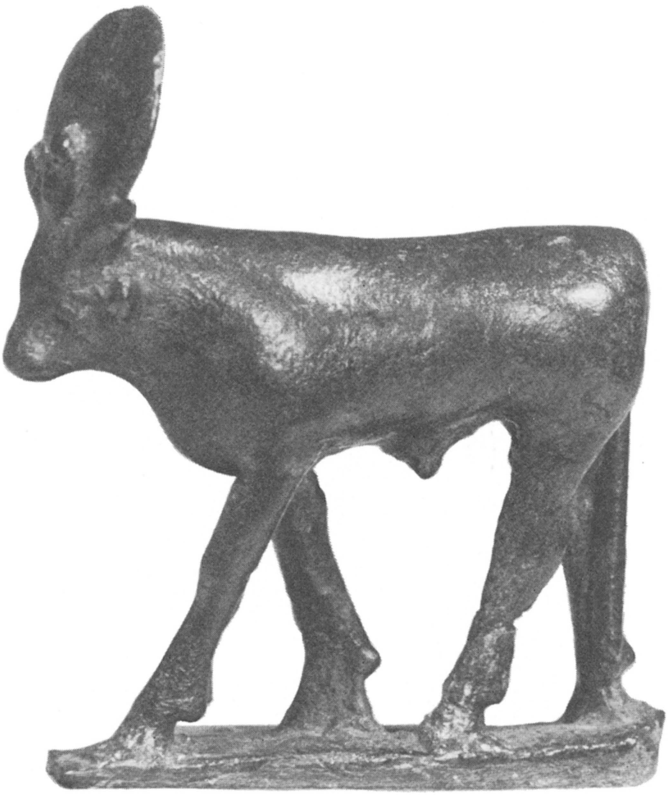


Add. 18



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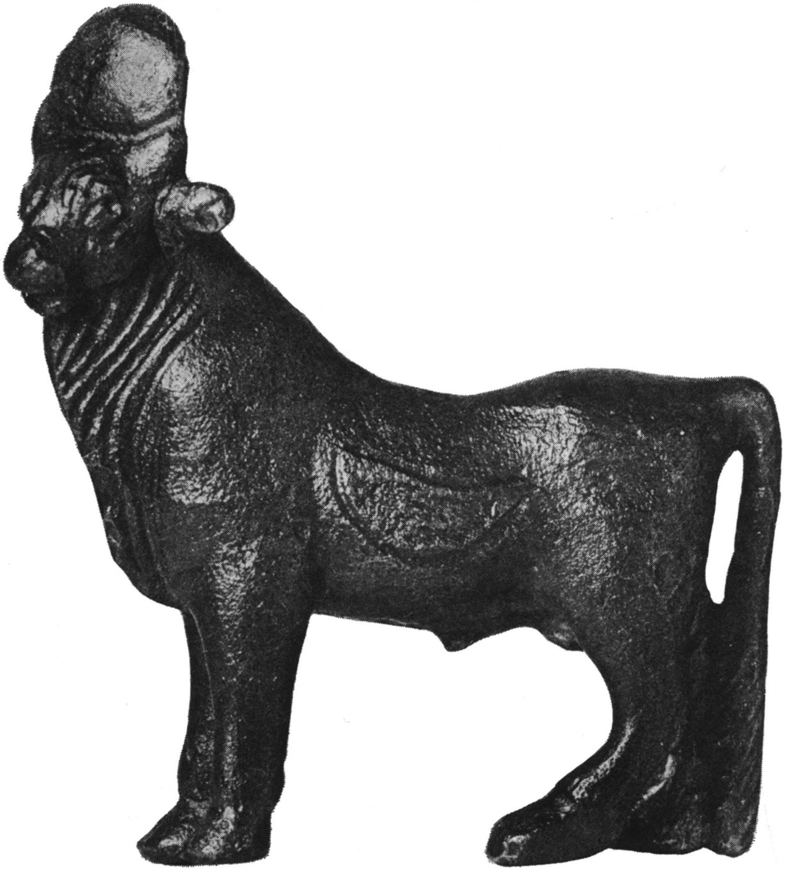

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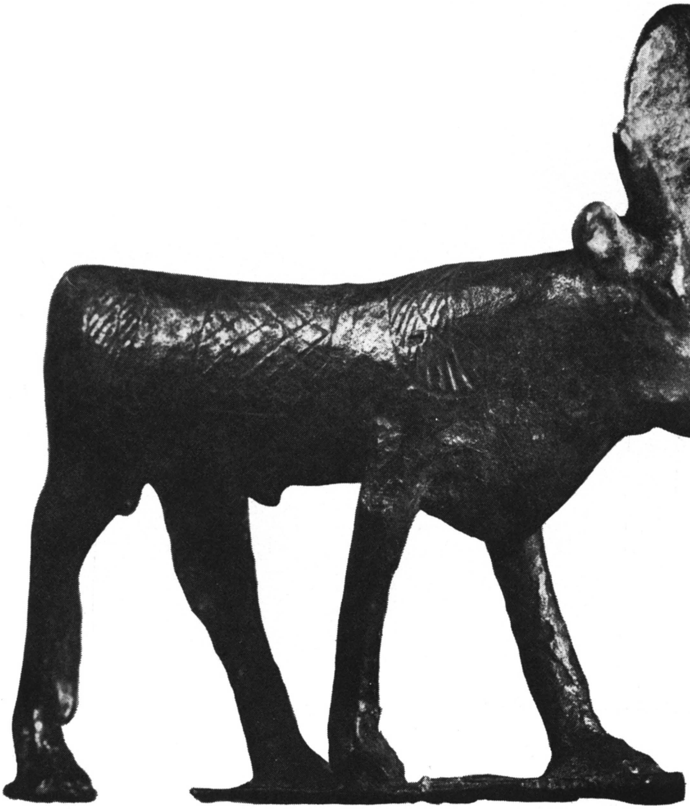
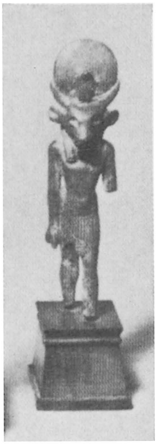


Add. 26

PLATE XXII



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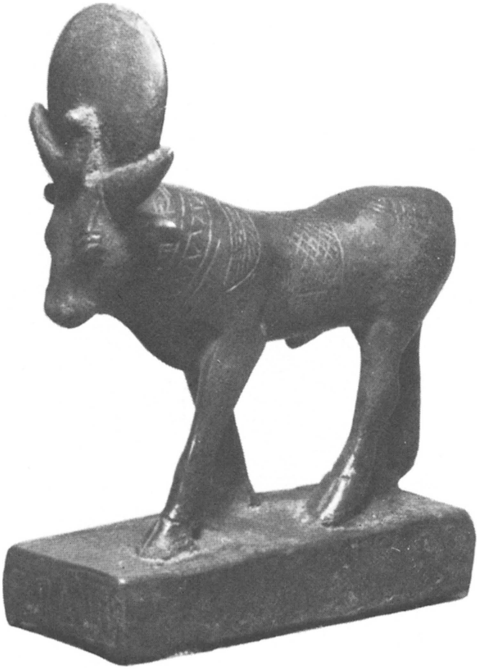

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PLATE XXIII

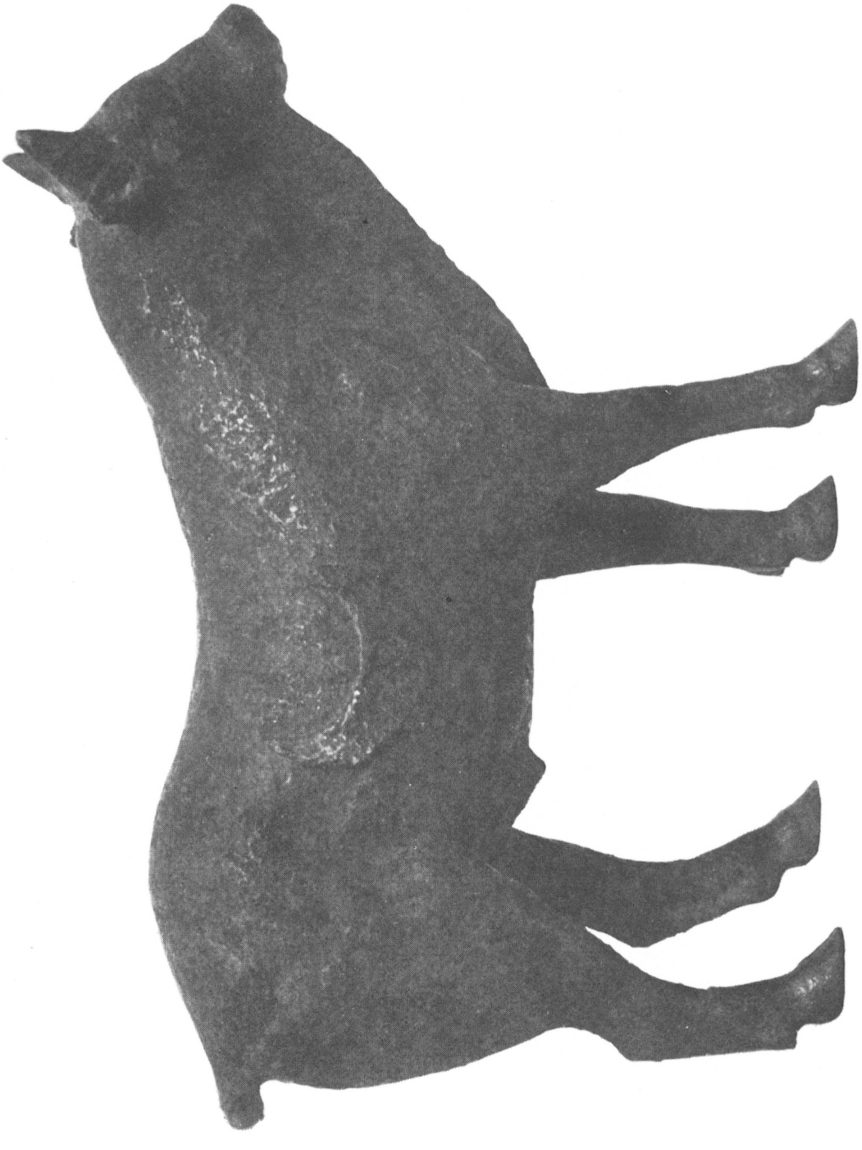

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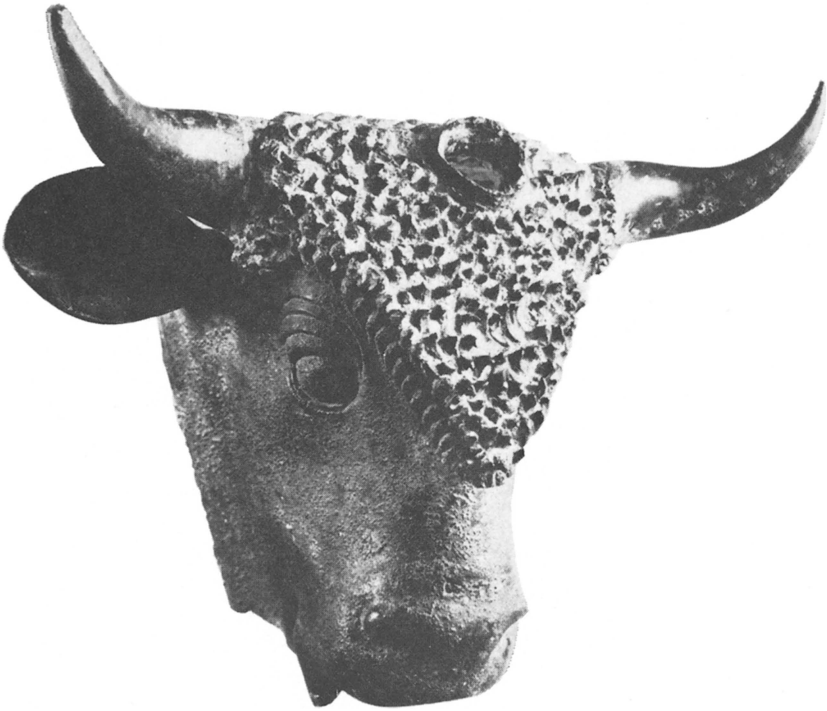
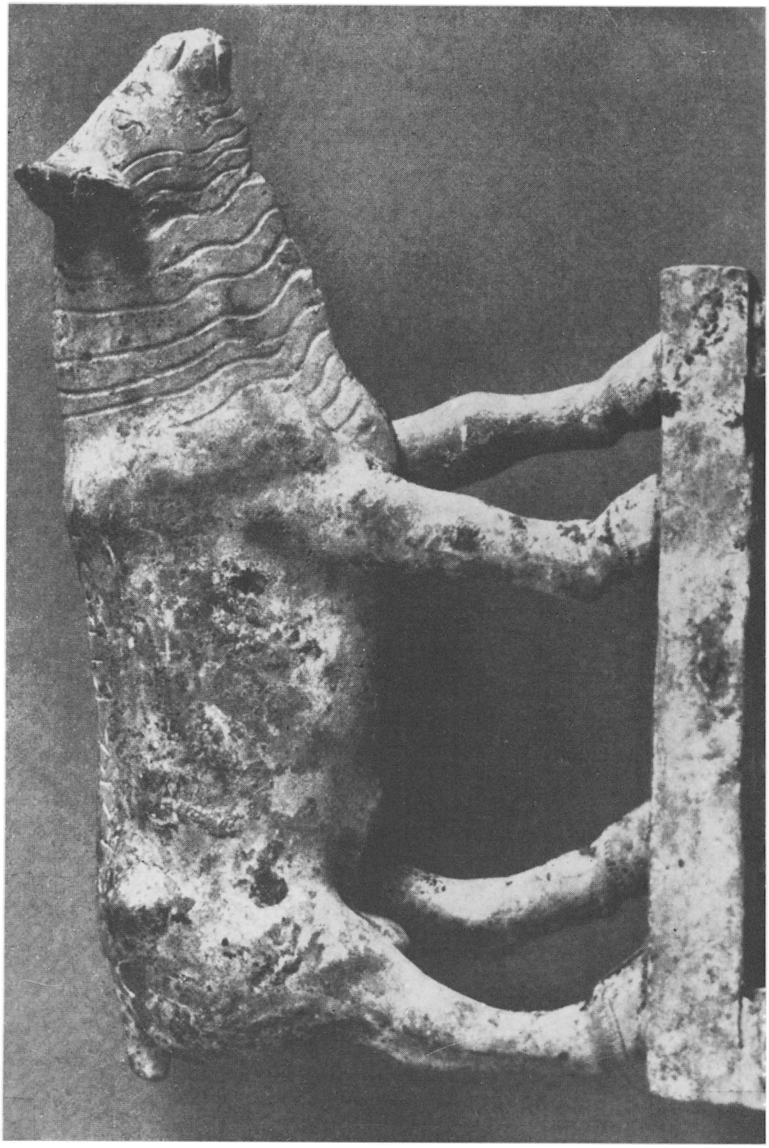
PLATE XXIV



Add. 34

PLATE XXV



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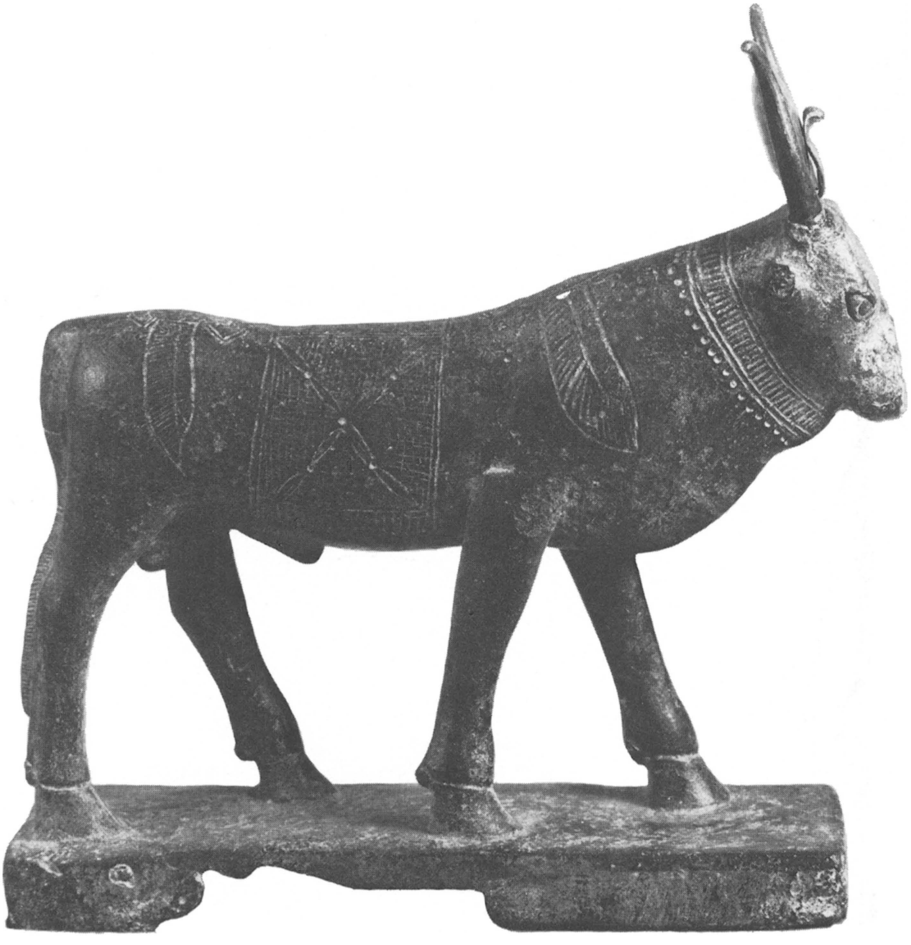

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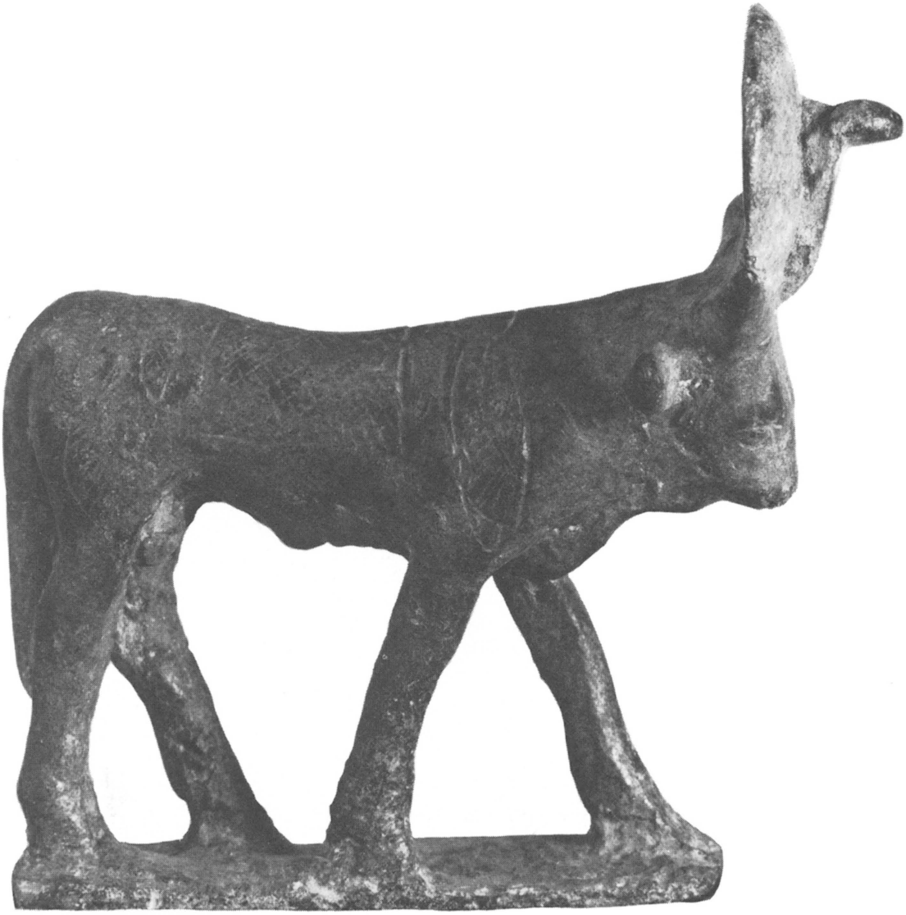

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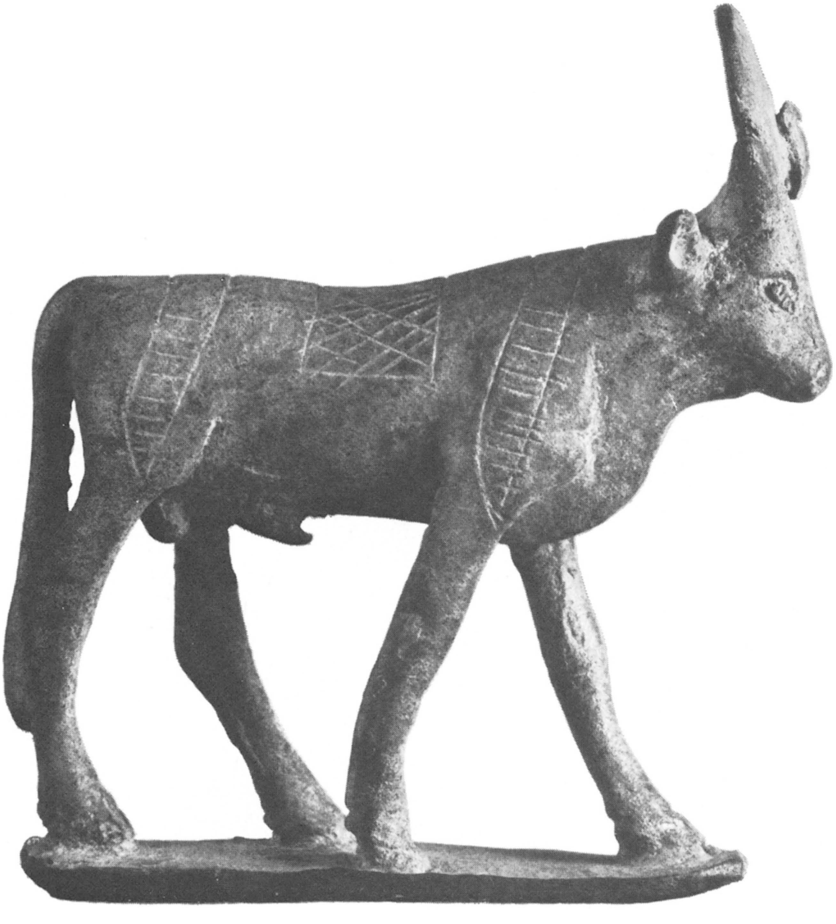

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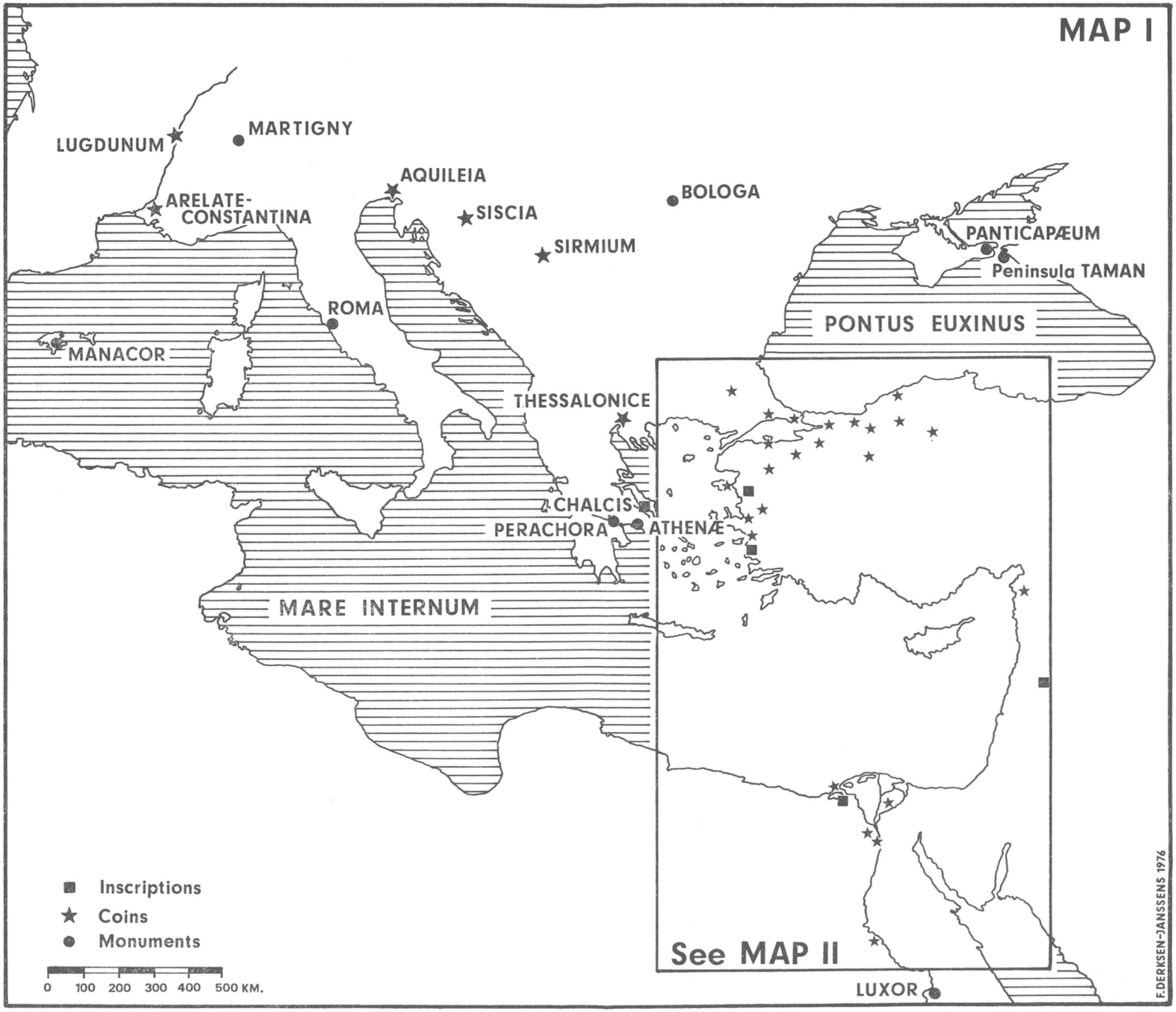
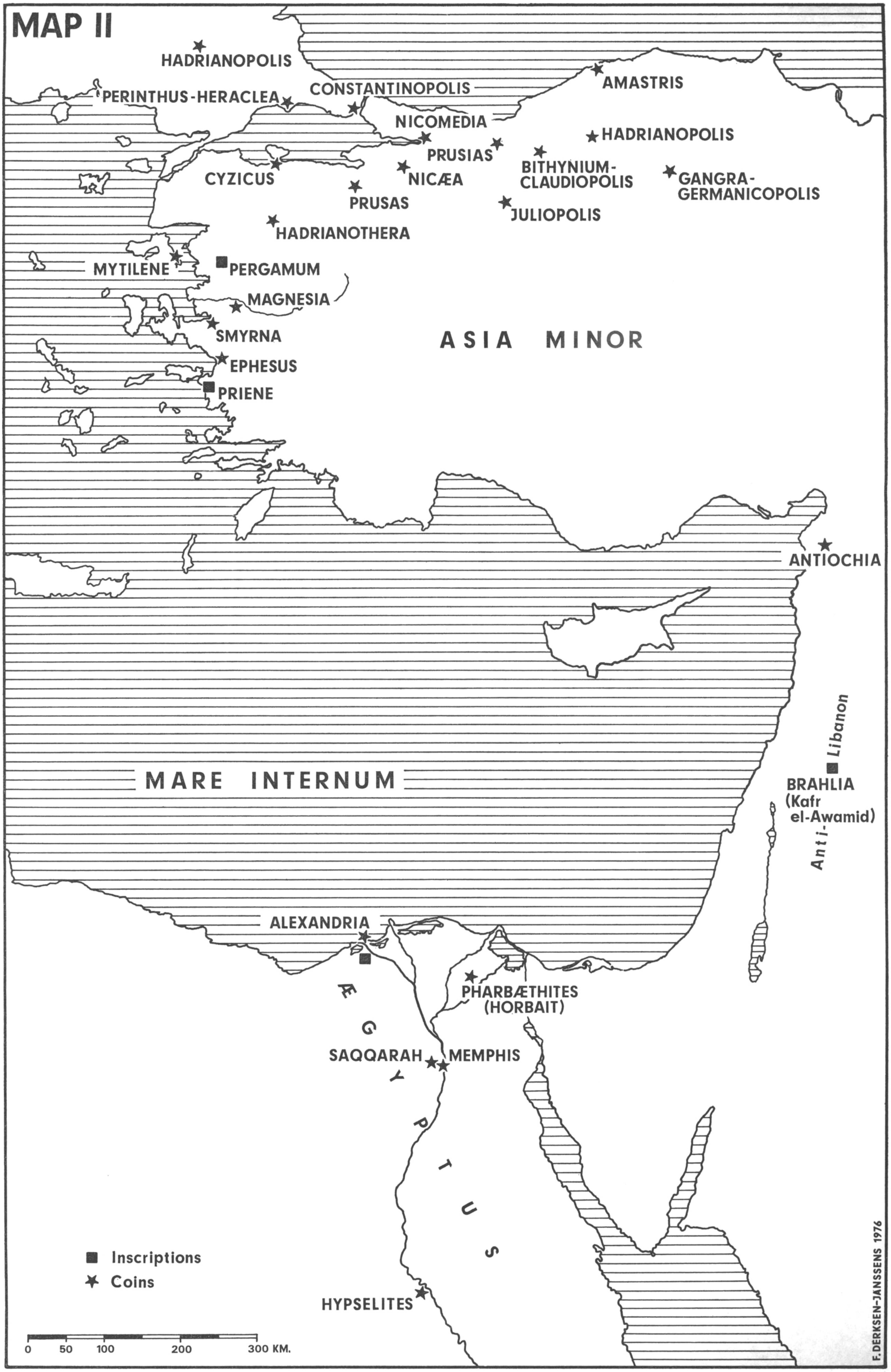

MAP I
LUGDUNUM
MARTIGNY
AQUILEIA
ARELATE-CONSTANTINA
SISCIA
BOLOGA
SIRMIUM
PANTICAPÆUM
Peninsula TAMAN
ROMA
PONTUS EUXINUS
MANACOR
THESSALONICE
CHALCIS
PERACHORA
ATHENÆ
MARE INTERNUM
See MAP II
LUXOR
Inscriptions
Coins
Monuments
0 100 200 300 400 500 KM.
F.DERKSEN-JANSSENS 1976

MAP II


HADRIANOPOLIS
PERINTHUS-HERACLEA
CONSTANTINOPOLIS
AMASTRIS
NICOMEDIA
HADRIANOPOLIS
PRUSIAS
BITHYNIUM-CLAUDIOPOLIS
GANGRA-GERMANICOPOLIS
CYZICUS
NICÆA
PRUSAS
JULIOPOLIS
HADRIANOTHERA
MYTILENE
PERGAMUM
MAGNESIA
SMYRNA
ASIA MINOR
EPHESUS
PRIENE
ANTIOCHIA
Libanon
Anti-
BRAHLIA (Kafr el-Awamid)
MARE INTERNUM
ALEXANDRIA
PHARBÆTHITES (HORBAIT)
ÆGYPTUS
SAQQARAH
MEMPHIS
HYPSELITES
Inscriptions
Coins
0
50
100
200
300 KM.

F. DERKSEN-JANSSENS 1976